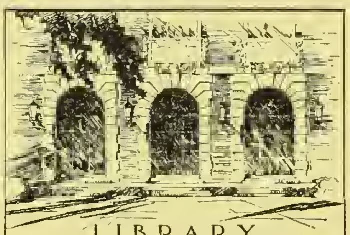

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XXXIX. JANUARY, 1934. No. 1.

JAN 28 19

GENERAL SUMMARY.

The month as a whole was mild with moderate temperature extremes. Maximum temperatures were mostly above the freezing point in all parts of the State during the first half of the month with a few dates on which no freezing occurred. A short cold period centered on the 18th, after which the conditions were moderate to the 28th inclusive. A cold wave swept over the State on the 29th, and continued to the end of the month. Precipitation was deficient in about two-thirds of the State. Snowfall was very light in the eastern half of the State with practically no snow cover on the wheat fields. In the northwestern counties the ground was generally snow-covered during the last half of the month. The greatest monthly snowfall was 16.5 inches at Corry, near Lake Erie. The winter grains were damaged in some regions, but generally the frost did not penetrate deeply enough to cause much heaving of the soil. The most disagreeable condition that developed during the month was a glaze storm on the 5th, when moderate rains froze on the highways, and made travel all but impossible. Thousands of accidents of more or less serious character occurred, many of them taking their toll of human lives. Mild temperatures on the 6th melted most of the ice, and restored the highways to a fair condition. The cold wave that closed the month brought subzero temperatures to the greater portion of the State. The only severe storm conditions that were experienced during the month were the high winds that attended this cold wave. Streams remained at low or moderate stages in the Delaware and Susquehanna drainage basins, but the water supply was ample in most places. A moderate rise occurred in the streams of the Ohio drainage following the rains of the 5th to 7th inclusive, and in some places they reached near-flood stages. The sunshine was near the normal in the eastern half, and somewhat deficient in the western half of the State. Considered as a whole it was a pleasant winter month, and generally favorable for outdoor work. Construction work on the State highways made fair to good progress.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 92 stations, was 32.2°, which is 4.3° above the January normal. The highest monthly mean was 38.9°, at Marcus Hook, and the lowest 24.5°, at Gouldsboro. The highest temperature recorded during the month was 67° at Irwin on the 1st, while the lowest, —19°, occurred at Gouldsboro on the 29th. The greatest daily range in temperature was 57° at Gouldsboro on the 29th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations of 147 well-distributed stations, was 2.54 inches, which is a deficiency of 0.97 inch as compared with the normal. Monthly totals ranged from a maximum of 5.27 inches at Elk Lick to a minimum of 0.97 inch at Mt. Lebanon. The greatest amount recorded in any 24 consecutive hours was 1.65 inches at Hamburg on the 7th. Snowfall for the State averaged 2.3 inches, which is 8.7 inches below the normal. The greatest monthly amount of snow was 16.5 inches at Corry, and the greatest 24-hour fall was 6.0 inches at Elk Lick on the 14th.

COMPARATIVE DATA FOR JANUARY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	23.2	−4.7	61	−19	4.19	+0.94	6.75	2.12	14.0	13	5	11	15
1889	29.4	+1.5	68	−5	3.54	+0.29	7.02	1.82	7.8	10	9	13	9
1890	37.5	+9.6	77	−2	3.04	−0.21	6.87	1.47	1.8	14	7	8	16
1891	30.5	+2.6	64	−4	3.64	+0.39	8.74	1.22	9.8	12	6	10	15
1892	26.2	−1.7	66	−28	4.77	+1.52	8.46	2.08	13.5	12	8	8	15
1893	19.0	−8.9	57	−25	2.85	−0.40	4.82	1.65	18.0	12	7	10	14
1894	32.8	+4.9	65	−9	2.29	−0.96	4.71	0.83	7.2	10	9	9	13
1895	24.2	−3.7	58	−17	4.17	+0.92	6.36	1.83	14.2	13	7	10	14
1896	27.6	−0.3	60	−15	1.43	−1.82	2.40	0.52	3.4	6	8	9	14
1897	25.6	−2.3	74	−25	2.15	−1.10	3.54	0.87	11.0	10	8	8	15
1898	30.7	+2.8	67	−16	4.25	+1.00	7.57	1.32	11.0	13	6	8	17
1899	26.6	−1.3	66	−21	3.05	−0.20	4.84	0.82	10.3	10	12	8	11
1900	29.8	+1.9	63	−8	2.64	−0.61	4.37	1.36	5.3	10	8	9	14
1901	29.1	+1.2	59	−10	2.22	−1.03	4.41	0.74	8.6	11	8	8	15
1902	25.6	−2.3	58	−13	2.80	−0.45	5.15	1.00	11.5	9	8	9	14
1903	26.9	−1.0	68	−13	3.31	+0.06	5.09	1.49	11.7	11	6	8	17
1904	20.0	−7.9	66	−42	3.55	+0.30	5.82	2.08	20.4	12	10	6	15
1905	23.8	−4.1	69	−21	3.70	+0.45	7.55	1.72	21.2	12	8	8	15
1906	35.0	+7.1	85	−4	2.53	−0.72	5.28	0.76	4.5	11	10	8	13
1907	30.0	+2.1	75	−23	4.36	+1.11	9.69	2.14	13.2	15	6	7	18
1908	28.4	+0.5	59	−18	2.68	−0.57	5.33	1.46	11.4	9	12	8	11
1909	31.2	+3.3	72	−19	2.92	−0.33	4.25	1.58	12.8	13	9	6	16
1910	27.2	−0.7	56	−22	5.55	+2.30	8.91	3.27	26.0	14	7	5	19
1911	31.6	+3.7	70	−5	3.54	+0.29	6.38	1.25	4.5	13	8	5	18
1912	18.6	−9.3	57	−35	1.92	−1.33	3.72	0.47	13.6	12	8	7	16
1913	36.5	+8.6	65	3	4.95	+1.70	8.90	1.51	4.5	16	9	6	16
1914	30.2	+2.3	81	−27	3.37	+0.12	5.77	1.40	11.7	11	7	7	17
1915	28.3	+0.4	62	−26	5.56	+2.31	9.69	2.43	14.7	13	10	6	15
1916	34.2	+6.3	76	−12	2.42	−0.83	5.33	0.20	1.8	12	9	8	14
1917	27.9	0.0	69	−18	3.60	+0.35	6.69	1.06	4.2	13	11	8	12
1918	16.2	−11.7	57	−29	3.51	+0.26	7.28	1.20	25.2	12	10	8	13
1919	32.0	+4.1	64	−15	2.53	−0.72	4.94	1.00	6.2	8	14	8	9
1920	20.9	−7.0	59	−23	2.47	−0.78	5.35	1.00	10.0	10	9	8	14
1921	31.0	+3.1	63	−13	2.58	−0.67	5.23	0.89	4.4	10	12	7	12
1922	25.0	−2.9	62	−19	2.26	−0.99	4.46	1.15	16.0	8	14	7	10
1923	29.1	+1.2	62	−17	4.26	+1.01	7.74	1.91	17.6	14	6	6	19
1924	28.1	+0.2	65	−13	4.34	+1.09	6.29	1.70	3.6	8	11	8	12
1925	25.2	−2.7	55	−29	3.53	+0.28	6.68	1.07	29.4	10	11	7	13
1926	27.8	−0.1	66	−19	2.80	−0.45	4.85	1.12	10.5	11	9	9	13
1927	27.4	−0.5	61	−24	2.90	−0.35	8.28	0.76	5.7	13	9	6	16
1928	29.8	+1.9	65	−23	2.08	−1.17	4.48	0.78	6.8	9	12	8	11
1929	27.3	−0.6	73	−20	3.37	+0.12	6.86	1.12	7.6	12	9	9	13
1930	29.2	+1.3	72	−24	2.25	−1.00	4.74	0.70	8.4	12	8	8	15
1931	30.0	+2.1	65	−12	1.46	−1.79	2.66	0.49	4.4	7	12	9	10
1932	40.5	+12.6	79	9	4.51	+1.26	7.48	1.98	1.3	14	7	6	18
1933	37.0	+9.1	71	−6	2.00	−1.25	3.43	0.54	1.9	8	12	7	12
1934	32.2	+4.3	67	−19	2.54	−0.71	5.27	0.97	2.3	11	8	8	15
Period	27.9	....	85	−42	3.25	....	9.69	0.20	11.0	11	9	8	14

W. B. O. Philadelphia-3-3 34-1050

Climatological Data for January, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	30.3	+0.8	54	28	1	31	31	2.69	−0.82	0.51	T.	9	15	7	9	ne.	John A. Frick.
Altoona	Blair	1,615	47	31.4	+4.4	59	1	−4	30	36	3.04	+0.45	0.90	4.9	11	17	6	8	w.	F. E. Rooney.
Ardmore	Montgomery	350	2	34.8	+4.0	62	25	4	30	36	3.00	−0.59	1.10	T.	10	...	...	...	......	H. G. Balderston.
Bedford	Bedford	1,060	2	33.8	......	57	1	0	30	40	3.00	......	1.45	T.	7	14	1	16	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	29.1	+1.4	49	1	0	30	33	1.44	−1.33	0.57	1.5	10	6	4	21	w.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	33.2	+3.2	55	28	5	30	39	2.94	−0.61	0.97	T.	10	14	3	14	w.	Lehigh University.
Carlisle	Cumberland	467	68	33.8	+5.7	55	28	0	31	43	2.62	−0.50	0.89	4.0	7	11	7	13	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	33.0	+5.3	50	1†	4	30	43	2.15	−1.01	0.95	T.	8	12	7	12	......	W. L. Gearhart.
Center Hall	Center	1,272	38	28.6	+2.8	50	1†	−3	29	32	3.12	+0.56	0.75	6.5	10	12	8	11	......	S. W. Smith.
Chambersburg	Franklin	580	35	34.4	+5.5	59	28	3	30	40	2.82	+0.09	1.21	0.2	7	7	9	15	ne.	William B. Spear.
Clearfield	Clearfield	1,120	27	......	......	54^{c}	21	-3^{c}	30	40^{c}	4.17	+0.55	0.84	8.0	14	4	9	18	w.	E. W. Hess.
Coatesville	Chester	380	47	34.0	+4.1	59	25†	4	31	34	4.01	+0.04	1.56	T.	10	13	3	15	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	31.3	+4.3	54	28	−2	31	32	3.19	−0.16	1.06	0.1	9	12	5	14	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	30.0	+4.5	55	1	1	30†	34	2.82	−0.72	0.75	2.0	12	6	6	19	nw.	T. B. Lloyd.
Ephrata	Lancaster	380	42	34.0	+4.4	56	28	6	30	38	2.92	−0.12	1.09	T.	7	9	6	16	n.	Ira J. Keath.
Freeland	Luzerne	1,970	41	28.2	+4.3	53	1	−4	30	37	3.41	−0.16	1.21	5.8	13	8	5	18	nw.	Theo. Reichmann.
George School	Bucks	190	28	34.1	+3.5	60	28	6	30	44	3.32	+0.16	1.50	0.4	9	9	14	8	w.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	36.5	+7.1	61	28	4	30	42	1.03	−2.09	0.28	T.	10	10	10	11	w.	Dr Henry Stewart
Gordon	Schuylkill	840	30	29.2	+2.9	49	1	−3	31	32	3.18	−0.64	1.03	2.0	10	10	4	17	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	24.5	+0.4	48	1	−19	29	57	2.59	−0.60	1.35	2.0	5	6	11	14	w.	Gustav Holtz.
Hamburg	Berks	535	41	32.6	+4.3	51	26	3	30	26	4.01	+0.50	1.65	T.	7	9	14	8	w.	State Sanatorium.
Hanover	York	600	30	37.0	+4.9	65	25	4	30	41	2.21	−0.96	0.71	T	10	8	10	13	w	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	33.8	+4.8	54	25	6	30	27	2.78	−0.31	1.04	0.2	10	6	9	16	w.	U. S. Weather Bureau.
Hawley	Wayne	900	16	27.4	+2.8	50	1†	−2	29	45	1.90	−0.68	0.63	1.0	11	10	7	14	nw.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	34.0	+3.9	54	25†	9	31	35	2.56	−0.72	0.67	T.	8	12	6	13	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	32.6	+4.1	58	1	3	30	38	2.27	−0.96	0.80	0.5	9	10	3	18	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	35.5	+5.4	59	28	1	30	44	3.04	−0.09	1.21	0.2	12	11	3	17	......	Horace A. Sheavly.
Kyiertown	Clearfield	1,637	3	30.4	......	63	25	−10	29	55	3.20	......	1.00	5.3	10	8	17	6	sw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	34.8	+5.1	63	25	5	30†	47	2.41	−0.83	0.85	T.	9	13	9	9	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	29.8	+5.2	51	1	−2	29	35	1.15	−0.82	0.50	1.0	6	4	5	22	......	C. P. Darling.
Lebanon	Lebanon	469	50	31.5	+2.7	54	28	4	30†	33	3.06	−0.39	1.06	T.	8	8	12	11	sw.	Lebanon Valley Gas Co.
Lewisburg	Union	450	58	32.0	+5.7	53	28	4	30†	34	2.33	−0.67	0.69	2.0	8	6	8	17	w.	Prof. W. G. Owens.
Lock Haven	Clinton	560	44	31.9	+4.5	47	28†	3	30†	40	1.87	−1.27	0.65	3.3	9	5	6	20	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	38.9^{c}	......	58^{c}	27	8^{c}	29	45^{d}	2.69	......	1.28	T.	5	13	9	9	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	32.8	+5.5	53	25	2	30†	34	3.27	−0.47	1.15	0.5	9	11	5	15	w.	R. K. Wintermute.
Mifflin	Juniata	445	30	33.8	+5.9	54	28	2	31	40	2.21	−0.72	1.02	T.	7	11	15	5	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	25.6	+4.6	49	1	−9	29	49	1.42	−1.17	0.40	10.0	6	1	9	21	s.	Silas Jagger.
Mt. Pocono	Monroe	1,720	28	24.7	+1.9	50	1	−5	29†	37	1.57	−1.66	0.70	7.5	7	10	6	15	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	28.2	+3.6	44	1†	−3	31	39	2.24	−0.96	0.65	1.0	7	10	6	15	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	32.8	+4.8	61	28	3	31	39	3.46	+0.34	1.56	T.	10	17	5	9	nw.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	31.2	......	50	28	6	30†	29	2.10	−0.47	0.72	0.1	8	10	5	16	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	37.8	+5.2	59	25	10	30	24	2.91	−0.39	1.34	T.	9	8	8	15	w.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	10	37.0	......	60	25†	8	30	26	3.19	......	1.22	T.	8	6	14	11	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	.....	......	......	......	......	......	....	......	......	....	....	....	....	....	....	......	Commandant, Navy Yard.
Phœnixville	Chester	100	24	35.0	+5.1	62	28	6	31	41	3.47	−0.19	1.38	T	8	8	16	7	nw	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	32.0	+6.1	55	28	5	30†	40	3.47	−0.01	1.26	T.	8	7	9	15	nw.	John E. Benner.
Reading	Berks	514	64	34.1	+4.7	58	28	6	30	30	2.64	−0.93	0.96	0.2	11	9	8	14	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	805	40	30.1	+3.5	47	1	0	29	28	1.58	−1.45	0.65	1.5	11	4	7	20	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	33.9	+5.5	54	1	2	30†	34	2.23	−0.81	0.87	1.7	9	7	8	16	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	35.4	+5.0	60	28	8	30†	45	3.35	+0.07	1.30	T.	9	6	9	16	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	35.2	......	57	28	4	30	42	2.64	......	0.92	0.5	8	7	7	17	sw.	State Teachers College
State College	Center	1,217	50	31.3	+5.0	57	1	−3	30	30	2.08	−0.91	0.55	2.2	10	5	13	13	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	29.5	+3.0	52	1	4	29†	33	3.80	+0.69	1.00	3.5	10	9	0	22	nw.	State Normal School.
Towanda	Bradford	754	40	29.6	+4.5	54	1	0	29	26	1.01	−1.05	0.42	0.1	8	4	6	21	w.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	27.4	+3.6	53	1	−3	29	28	1.51	−0.98	0.50	1.5	8	6	13	12	nw.	George W. Hill.
West Chester	Chester	455	85	35.8^{a}	+5.6	58^{a}	25	5^{a}	30	44^{a}	3.40	−0.39	1.30	T.	8	9	11	11	w.	Joseph W. Belt.
Williamsport	Lycoming	521	48	31.0	+3.7	50	28	3	30	31	1.99	−0.96	0.60	0.3	12	10	4	17	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	32.2	+4.5	51	25	−2	30	44	2.25	−0.94	0.75	T.	8	9	10	12	nw.	Susquehanna Collieries Co.
York	York	400	46	35.2	+5.6	60	25	4	31	39	2.14	−0.78	0.74	T.	8	11	11	9	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	34.4	+4.6	57	1†	0	30	36	2.06	−0.82	0.72	1.0	16	8	2	21	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	29.1	+5.1	59	1†	−2	30	45	2.61	−0.47	0.96	4.3	9	7	12	12	......	John Fawcett.
Butler	Butler	1,077	21	30.5	−0.1	56	21	−3	30	35	2.19	−0.74	0.96	4.0	7	4	8	19	nw.	William C. Faust.
Chambersville	Indiana	1,047	4	32.8	+4.0	57	8	−4	30	38	3.21	−0.65	0.84	4.0	15	9	0	22	w.	John E. Lewis.
Clairton	Allegheny	1,020	2	32.0	......	60	7	−2	30	43	1.55	......	0.78	1.1	14	5	8	18	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	34.2	+3.9	57	1†	−2	30	33	2.29	−1.01	0.80	1.8	11	14	1	16	s.	J. L. Melvin.
Corry	Erie	1,430	21	28.2	+4.0	52	21	−3	30	33	3.58	+0.12	0.82	16.5	16	7	9	15	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	25.7	......	52	1	−7	29	43	2.08	−1.24	0.44	3.0	15	3	7	21	w.	West Penn. Power Co.
Derry	Westmoreland	1,172	37	32.3	+2.3	60	7	−1	30	30	2.46	−1.42	0.65	5.1	14	9	10	12	sw.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	30.2	+6.4	55	1	−5	30	36	3.53	+0.39	0.76	7.0	13	4	12	15	w.	D. H. Joues.
Elk Lick‡‡	Somerset	2,680	17	29.8	+4.1	52	21	−10	31	46	5.27	+1.61	1.20	10.0	10	5	12	14	w.	J. S. Stevanus.
Franklin	Venango	957	60	30.8	+4.8	57	21	−1	30†	41	2.45	−1.13	0.65	5.0	17	6	5	20	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	34.2	+3.9	61	7	−1	29†	33	2.22	−1.36	0.71	5.2	17	7	6	18	w	Westmoreland Water Co.
Greenville	Mercer	950	38	30.6	+3.6	54	21	0	29†	34	2.14	−1.37	0.53	5.3	13	6	6	19	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	30.5	+3.8	50	5†	−3	30	27	2.30	−1.00	0.70	2.5	16	9	6	16	sw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	33.6	+3.8	60	1	0	30	35	3.95	−0.24	1.00	5.5	15	6	11	14	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	2	26.4	......	50	1	−6	30†	36	3.13	......	0.80	7.5	13	5	3	23	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	42	34.4	+4.6	62	7	−2	29†	33	2.52	−1.47	0.69	3.2	11	1	17	13	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	30.4	+5.8	53	1	−1	29†	30	3.22	−0.10	1.18	6.0	15	4	6	21	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	31.6	......	55	1	−4	30	40	0.97	......	0.37	2.0	10	8	2	21	w.	Fred Hoffman.
New Castle	Lawrence	808	54	32.2	+4.6	56	1	0	30	41	1.96	−1.06	0.60	1.5	18	3	11	17	w.	New Castle Water Co.
Newell	Fayette	800	14	35.2	+3.1	61	8	−1	30	49	2.04	−0.83	0.90	T.	6	6	11	14	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	33.8	+3.1	58	1	−1	30	40	2.02	−1.03	1.02	2.1	13	4	5	22	w.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	25.2	+0.6	52	1	−3	29†	40	2.34	−0.62	0.92	3.4	15	4	5	22	sw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	21	29.8	+3.0	53	21	−1	30	38	1.01	−1.45	0.24	1.2	12	5	6	20	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	67	30.1	+3.7	55	7	−6	29†	42	3.69	−0.87	1.02	6.9	16	5	6	20	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	36.2	+3.9	65	7	0	29†	42	2.46	−1.26	0.85	2.0	14	6	13	12	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	33.6	+3.4	58	1†	−2	29	39	2.12	−0.91	0.90	2.7	12	13	12	6	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	32.2	+7.3	55	1	0	30	22	2.69	−0.22	0.77	9.0	21	5	7	19	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	35.6	......	63	7	−1	30	41	2.65	......	0.95	T.	11	4	7	20	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	30.6	+3.8	55	1	3	29	37	2.04	−0.73	0.86	4.0	17	2	6	23	sw.	U. S. Weather Bureau.
For the State	....	......	....	32.2	+4.3	67	1	−19	29	57	2.54	−0.71	1.65	2.3	11	8	8	15	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for January, 1934

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh		.08			.51	.27	.50	.42				T.	.01	.30		T.							.46	T.				T.	.14		T.	2.69
Altoona	Juniata	.19				.51		.83	.14					.18	.09	T.		.02					.05	.13		T			.71	.19			3.04
Ausonia‖	W. Br. Susq		.13			.03		.35	.09		T.			T.	.29	.01			T.					.37	.16		T.		T.	.07	T.		1.50
Ardmore	Lower Del	.02			.09	1.10	.25	.59	.06					.21									.01	.60					.04				3.00
Baker's Summit	Juniata	.15				.74		1.28	.25					.04	.04								.05	.09		.03			.05	.03			2.75
Bedford	Juniata	.16			T.	.83	T	1.45	.07	T.	T.			.04	T.			T.					.05	.40		T.		T.		T			3.00
Bellefonte***	W. Br. Susq	.09			.10	.14	.15	.57		T.	T.			.16	T.	T.	T.	.01	T.	T			.08	.07		T.			.07	T.	T		1.44
Bethlehem	Lehigh	.10			T.	.79	.05	.78	.19					.29	.03								T.	.54				T.	.07	.10			2.94
Bloserville‡‡	Lower Susq		.10			.75		.80						.30									.20	.25						.05			2.45
Buffalo Mills	Juniata		.20			.75		1.30	.11															.12						.15			2.63
Carlisle	Lower Susq	.22			T.	.89		T.	.82					.22									.02	.43					.02	T.	T.		2.62
Catawissa‡	N. Br. Susq				.03	.51	.33	.62						.28	T.								.05	.23					.10				2.15
Center Hall	Susquehanna	.40			T.	.75		.47	.10					.36	.12								.18	.40		.10			.24				3.12
Chambersburg	Potomac	.28				1.21		.82	.01					.19									.13	.18		T			T.	T.			2.82
Clearfield	W. Br. Susq	.33	T.			.83	.02	.84	.46		.03	T.	T.	.21	T.	.05	T.						.05	.05		.32	.05	T	.73	T	.20		4.17
Coatesville	Lower Del	.55			.03	1.56	.03	.75	.04					.15		T.							.06	.76					.08	T.			4.01
Colebrook	Lower Susq	.18			T.	1.06	.02	.70	.02					.31	T.			T.					.21	.62				T.	.07	T.			3.19
Conshohocken	Schuylkill	.02				1.10	.24	.42	.18					.27		T.		T.					T	.51					.08	T.			2.82
Cresson‡	Juniata	.04				.47		.60	.10					.12	.16			.02						.16					.64				2.31
Doylestown	Lower Del	.05			T.	1.15	.15	.79	.11					.25	T.								T.	.37				T.	.05	.01			2.93
Emporium	W. Br. Susq	.38				.18		.75		.06				.19	.06			.05	.05				.06	.36		.05		T	.63		T		2.82
Ephrata	Lower Susq	.10			T.	1.09	T.	.73	.05					.36	T.								T.	.48				T.	.11	T.			2.92
Forest City	N. Br. Susq				.04	.21	.24	.34			T.		.32	.02	.10	.03	T.	.02						.45						.25			2.02
Freeland‖	Lehigh	.12	.06		T.	.40	.15	1.00	.21		T.			.01	.28	.02								.80	.10				.04	.22			3.41
Galeton	W. Br. Susq	.38				.10		.54						.25	.03		T.						T.	.46		.02			.28				2.06
George School	Lower Del	.08				1.30	.20	.69	.05					.40		T								.53				T.	.02	.05			3.32
Gettysburg	Potomac	.07			T.	.28	.01	.20	.01					.19									.07	.15		T.		.01	.04				1.03
Girardville‖	Lower Susq				.03	.40	.15	.88	.17		.02		.01	.14	.02			.03					.50	.04		.01			.04	.11			2.55
Gordon	Lower Susq	.14	.02			.57		.97	.06		T.			.06	.05			.10						1.03					.18	T.			3.18
Gouldsboro‡‡	Lehigh					.41		.45							.35									1.35			.03						2.59
Graterford	Schuylkill	.03				1.02	.18	.90	.17					.32									.02	T.					.06				2.70
Hamburg	Schuylkill	.06				.42		1.65						.60									.06	.91					.31	T.			4.01
Hanover	Lower Susq	.12			.02	.71		.61	.02					.19				T.					.06	.45			T	.01	.02				2.21
Harrisburg***	Lower Susq	.18			.19	.85	.08	.57					.02	.24	T.			T.					.39	.22		T.		T.	.04	T.			2.78
Hawley‖	Upper Del	.05	.01			.35	.13	.38	.25					T.	.27	T	T.		T.					.28	.03				.07	.08	T		1.90
Hollisterville	Upper Del	.18				.45	.08	.44	.30		T.			T.	.38	T.								.25	.13				.02	.15	T.		2.38
Holtwood‡‡	Lower Susq	.09			.26	.67	.50	.17					T.	.18									.67			T.	T.		.02	T.			2.56
Huntingdon	Juniata	.13			T.	.57	.11	.69	.27					.10		T.		T.					.15	.14		T.			.11	T.			2.27
Hyndman	Potomac	.28	.01			.95	.03	1.18	.10					.09	T.								.07	.15		.03		T.	.14	.01			3.04
Kylertown	W. B. Susq	.15				.43		.60	.07		1.00				.22			.23						.17	.23				.10				3.20
Lakeville‖	Upper Del	.01	.09			.46	.06	.42	.28					.25										.18	.08				.04	.13			2.00
Lancaster	Lower Susq	.08				.85	.05	.60	.04					.27										.41				.05	.06				2.41
Lansford‖	Lehigh		T.			.45	.10	*	.83					T	*	.22	T.							.82	.06					.08	.01		2.57
Lawrenceville	N. Br. Susq	.50				T.	T.	.40		T.		T.		.05	T.	T.		T.						.10	.05	T			T.		.05		1.15
Lebanon	Lower Susq	.13			.99	.07	.52	.15					T.	.16				T.					.95	T.					.09			T.	3.06
Lewisburg	W. Br. Susq	.17			T.	.49	.06	.69	T.	.10				.25									T.	.55		T.			.02	T.			2.33
Lock Haven	W. Br. Susq	.18				.26		.65	.15					.30				T.					.03	.22		.01			.07	T.	T.		1.87
Marcus Hook	Lower Del	.04				1.28		.59						.03		T.	T.							.75				T.	T.	T.			2.69
Matamoras	Upper Del	.05				.45	.05		.35						.05									1.09	.05				.06				2.15
Mauch Chunk	Lehigh	.08			.02	.54		.93	.02					.38	T.								.15	1.00					.15				3.27
Mifflin	Juniata	.07				.56		1.02	.16					.11									.03	.26		T.			T.				2.21
Montrose	N. Br. Susq		T.			.15		.30						.40	T.									.30				T.	.17	T.	.10		1.42
Morris Run	N. Br. Susq	.32	T.			.09		.51		.02	.02			.10		.03		.05					.02	.33					.05				1.54
Mount Pocono	Upper Del		T.			.26	.06	T						.08	.20	.24	T.							.70						.03			1.57
Muncy Valley	W. Br. Susq	.15				.24	T	.58	.24		T.			.15		T.							T.	.65					.23		T.		2.24
Neshaminy‖	Lower Del	.01			.01	1.56	.05	.65	T.					.49	.01	.04								.54					.10	T.			3.46
New Park	Lower Susq	.07				.50		1.00	.14					.85														.05	.04				2.65
Newport‖	Juniata	.10				.70	.10	.73	.10					.10	.25									.45	.02					.03			2.58
Palmerton‡	Lehigh	.04			T.	.46	.01	.72						.20	T.	T.							.25	.34					.08				2.10
Paupack‖	Upper Del		.09			.35	.20	.69	.10						33									.40						.13			2.29
Philadelphia***	Lower Del	.04			.03	1.31	T.	.61	.10					.30		T.		T.					.10	.36		T.		T.	.06	T.			2.91
Philadelphia-Gtn	do	.04			T.	1.22	.10	.50	.26					.62		T		T.						.40		T.			.05	T.			3.19
Phila. Navy Yard‖	do																																
Phila-P'nt Breeze.‡	Lower Del	.04	T.		*	1.29	*	1.61						.27		T		T.					*	.51		T.			.04	T.			3.76
Phoenixville	Schuylkill	.05			T.	1.38	.16	.86	.21					.18		T.							T.	.55				T.	T.	.05			3.47
Pine Grove	Lower Susq				.03	.60	.39	.30					T.	.30	T.								.90	.45					.10				3.13
Pleasant Mount	Upper Del					.34		.92						.43										.79					.60				3.08
Pottstown	Schuylkill	.07				1.09	.08	.06	.09					.20									T.	.35			.04	T.	.05	T.			2.03
Pottsville	Schuylkill	.18			T.	.62	T.	.79	T.	T.				.26	T.			T.					T.	1.11					.10	.02	T.		3.08
Quakertown	Lower Del	.06			T.	1.06	.02	1.12	.14					.31		T.		T.					T.	.60				T.	.16	T.			3.47
Reading***	Schuylkill	.10			.10	.86	.02	.73	T.				T.	.52		T.		T.					.16	.10		T.		.01	.03	.01			2.64
Renovo‖	W. Br. Susq	.08	.12			.12		.37							.26									.27					.07	.20			1.49
Retreat	N. Br. Susq	.20				.39		.12	T.					.08									T.	.65					.16				1.60
Scranton***	do	.09	T.		T.	.20	.12	.53		T.	T.		T.	.26	.01	.02	T.	T.		T.			.06	.19					.09	.01	T.	T.	1.58
Selinsgrove	Lower Susq	.06				.51		.86	.01					.25	.02								.10	.40					.02				2.23
Shawmont	Schuylkill	.04				1.30	.30	.75	.08					.22		T.							T.	.60					.03	.03			3.35
Shippensburg	Lower Susq	.28				.92	.03	.75	.02					.24	T.	T.		T.					.12	.28			T.	T.	T.	T.	T.		2.64
Snow Hill‡‡	Upper Del	.08				.65		1.22							.42									.84						.08			3.29
State College	W. Br. Susq	.23			T.	.36	.02	.55	.24	T				.22	T.	T.		T.		T.			.10	.18		.04			.14	T.	T.		2.08
Stroudsburg‖	Upper Del	.03			.60	.32	.32	.24	1.00	T.					.31		T.							.90	T.				.03	.05			3.80
Sunbury	Lower Susq	.11	.02			.21	.14	.89	.15				.01	.01	.12									.21	.02					.02			1.91
Towanda	N. Br. Susq	.16	T.			.07		.38	.04	T.	T.			.12	T.	.02		T.	T.	T.			T	.18		T.	T.		.04	T.	T	T.	1.01
Weikert	Lower Susq				.40			.50											.06					.25		.30							1.51
Wellsboro	W. Br. Susq		.09			.01		.50	.38	T.				.06				.02					.40	.05			T.						1.51
West Chester	Lower Del	.10				1.30	.22	.74	.24					.18									T.	.60					.02	T.			3.40
Westgrove‖	do		.03		T	.30	1.12	.31	.32					.02	.13									.83	.03		T.			T.	T.		3.09
Wilkes-Barre‖	N. Br. Susq	.04	.16			.22	.03	.64	.13						.26										.20	T.			.02	.10			1.80
Williamsport‖	W. Br. Susq	.05	.15			.20	.09	.60	.30		T.			.01	.23			T.						.29	.04				.02	.01			1.99
Williamstown	Susquehanna	.02			.17	.54		.75	.01					.21		T		T.					T.	.54		T			T.	.01	T.		2.25
York	Lower Susq	.13			T.	.74		.56						.21									.02	.33				.05	.10				2.14
York Haven‖	Lower Susq	.02	.15			.95	.13	.60	.16					.03	.24									.69						.04			3.01
Zionsville..(near)	Schuylkill					1.02	.08	.45	.70					.32	.02									.47					.19	T			3.25
Trenton, N. J***	Lower Del	.03			T.	1.45	.02	.86	.10	T.				.34	T.	T.		T.					.05	.41				T.	.07	.04			3.37

Continued on page 4.

Daily Precipitation for January, 1934—Continued from page 3

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.12	.03	....	....	.22	.02	.72	.11	.01	.05	....	....	.02	.12	.05	....	T.	....	....	....	....	.01	.10	....	....	.02	....	.06	.40	....	....	2.06
Beaver Falls‖‖	Beaver	.08	....	....	....	.16	.01	.77	.13	.01	.03	....	....	.01	.06	.04	T.	T.	T.	....	....	....	.02	.06	....	....	.01	....	.03	.48	T.	....	1.90
Brookville	Allegheny	.28	....	....	....	.19	....	.43	.53	....	....	....	....	....	.55	.08	....	.05	T.	....	....	....	T.	....	....	....	.25	....	....	.25	T.	....	2.61
Butler	Ohio	....	....	....	....	.19	....	.96	....	....	....	....	....	.08	....	.27	....	....	....	....	....	....	T.	.15	....	.02	....	T.	.52	....	....	....	2.19
Chambersville	Allegheny	.63	....	....	....	.24	....	.76	.11	.02	.01	....	....	.13	.23	.03	....	.01	....	....	....	....	.01	.10	....	.03	....	T.	.84	.07	....	....	3.21
Clairton‡	Monongahela	.08	....	....	.15	.10	.15	.63	.05	.02	....	....	....	.03	.05	....	....	T.	....	.02	....	....	.01	.06	....	.02	....	....	.18	T.	T.	....	1.55
Claysville	Ohio	.24	....	....	....	.20	....	.80	.15	.03	T.	....	....	.11	.12	....	....	T.	....	....	....	....	T.	.17	....	.04	....	....	.36	.07	T.	....	2.29
Clymer‡‡	Conemaugh	....	.26	....	....	.28	....	.60	.50	T.	....	T.	....	.22	....	....	....	.06	....	T.	....	....	.20	....	T.	....	....	.95	....	....	.22	....	3.29
Confluence‖‖	Youghiogheny	.05	.45	....	....	.65	.10	1.40	.42	T.	T.	....	....	T.	.40	.13	T.	....	....	....	....	....	....	.49	....	....	.16	....	T.	.70	....	....	4.95
Corry	Allegheny	.79	T.	....	....	.21	....	.43	.02	.02	.12	....	....	.18	.07	.16	.04	.10	....	....	....	....	....	.27	....	.12	....	T.	.82	.18	.05	....	3.58
Coudersport	Allegheny	.20	....	....	.09	.06	.26	.33	..	.04	....	....	.02	.22	.03	....	.03	.02	....	....	....	....	.44	T.	....	.03	....	....	.30	.02	....	....	2.08
Derry	Conemaugh	.16	....	....	....	.30	....	.65	.05	.05	T.	....	....	.12	.16	.08	....	T.	....	....	....	....	.03	.18	....	.04	....	....	.57	.05	.02	....	2.46
Donora‖‖	Monongahela	.09	.05	....	....	.27	....	.69	.03	.01	....	....	....	.11	.04	.06	....	T.	T.	....	....	....	.01	.14	....	.02	.02	....	.06	.20	....	T.	1.79
Ebensburg	Conemaugh	.39	T.	....	....	.60	....	.60	.05	....	.13	....	....	.15	.30	.10	....	....	....	....	....	....	.05	.20	....	.10	T.	T.	.76	.10	....	....	3.53
Elk Lick	Youghiogheny	1.20	.50	....	.60	....	.50	....	.25	....	....	....	....	....	.60	....	....	....	....	....	....	....	..	.50	....	.30	....	....	.42	.40	....	....	5.27
Franklin‖‖	Allegheny	.25	.15	....	....	.12	.04	.09	.23	.04	.05	....	....	.07	.27	.14	....	.05	.04	....	....	....	T.	.15	T.	....	.11	....	.24	.41	T.	T.	2.45
Greensboro	Monongahela	.15	.64	....	....	.33	....	.80	.04	T.	.05	.02	....	.04	.10	.01	T.	....	....	....	....	....	....	.22	....	T.	.08	T.	.02	.33	....	....	2.83
Greensburg	Youghiogheny	.11	....	....	....	.29	....	.71	.09	.03	.01	....	....	.14	.13	.03	....	.01	T.	.02	....	....	.01	.18	....	.02	....	T.	.38	.05	.01	T.	2.22
Greenville	Beaver	.28	....	....	....	.23	....	.26	.11	.13	T.	....	....	.08	.11	T.	T.	.04	T.	....	....	....	T.	.10	....	.09	....	....	.53	.10	.08	....	2.14
Grove City	....do	.30	....	....	....	.11	....	....	.68	.01	.02	.02	....	.09	.08	.01	....	.02	.01	....	....	....	....	.12	....	.03	....	....	.70	.09	.01	....	2.30
Herrs Isl. Dam‖‖	Ohio	.11	.11	....	....	.23	.01	.78	.18	T	.03	....	....	....	.14	.06	....	....	....	T.	....	....	T.	.17	....	....	.03	....	.06	.42	....	....	2.33
Irwin	Monongahela	.08	....	....	....	.25	....	.52	.03	.06	T.	....	....	.12	.12	.06	....	T	....	T.	....	....	.02	.10	....	.05	....	....	.11	T.	....	....	1.52
Johnstown	Conemaugh	.27	....	....	T.	.71	.03	.82	.04	T.	.05	....	....	.21	.22	.11	....	T.	....	T.	....	....	.02	.31	....	.06	....	T.	1.00	.06	.04	....	3.95
Kane (near) ‡‡	Allegheny	.80	....	....	T.	.13	....	.65	....	T.	T.	....	....	.23	.15	.12	....	.08	....	....	....	....	T.	.26	....	.08	....	.08	.31	.18	.06	....	3.13
Kregar‖‖	Youghiogheny	.10	....	....	.30	....	.59	.11	T.	.06	....	....	T.	.33	.20	T.	T.	.02	....	T.	....	....	.48	.06	....	.11	....	.07	.69	T.	T.	....	3.12
Lake Lynn‖‖	Monongahela	T.	.36	....	....	.28	....	1.15	.15	....	....	....	....	.05	.18	.07	T.	....	....	....	....	....	....	.22	.06	....	.16	....	....	.16	.01	....	2.84
Linesville‖‖	Beaver	.60	.04	....	....	.04	.05	.20	.04	.03	.06	....	....	.04	.25	.03	....	.09	.01	....	....	....	....	.16	....	....	.04	....	.45	.16	.05	.01	2.35
Lock No 2‖‖	Ohio	.14	....	....	....	.27	....	.78	.05	T.	.05	....	....	.07	.12	.05	....	T.	....	....	....	....	.02	.09	T.	....	.07	....	.07	.36	....	..	2.14
Lock No. 4‖‖	Monongahela	.10	.05	....	....	.26	....	.66	.11	T.	.02	....	....	.04	.19	.04	....	....	....	T.	T.	....	T.	.16	.12	....	.07	....	.02	.28	....	....	2.12
Lock No. 6‡‡‖‖	Allegheny	.14	.08	....	....	.21	....	.81	.13	T.	.05	....	....	.02	.09	.05	T.	.01	T.	T.	....	....	.01	.14	....	....	.03	....	.06	.43	.02	....	2.28
Lycippus	Conemaugh	.17	....	....	....	.30	.69	.14	T.	T.	....	....	....	.18	.14	T.	....	....	....	....	....	....	.07	.22	....	.03	....	....	.50	.08	....	....	2.52
McKeesport‖‖	Monongahela	.05	....	....	....	.26	....	.90	.07	....	T.	....	....	T.	.06	.03	....	T.	T.	T	....	....	T.	.12	....	....	T.	....	.02	T.	....	....	1.50
Meadville	Allegheny	1.18	....	....	....	.12	.03	.27	.02	.07	....	....	....	.18	.15	.10	.02	.05	....	....	....	....	....	.20	....	.12	....	....	.65	.06	....	....	3.22
Mosgrove	....do	.12	.09	....	....	.25	T.	.77	.24	T.	.03	T.	....	.03	.16	.06	T.	T.	T.	T.	....	....	T.	.20	....	....	....	....	.12	.69	T.	....	2.76
Mount Lebanon	Ohio	T.	....	....	.02	.01	.03	.37	.01	T.	T.	....	.01	.07	.11	T.	....	T.	....	T.	....	....	T.	.05	....	T.	....	....	.29	T.	T.	....	0.97
Natrona‖‖	Allegheny	.18	.14	....	....	.24	T.	.82	.14	T.	.08	....	....	.03	.14	.05	.01	.01	T.	.04	....	....	.02	.14	....	....	.03	....	.11	.48	T.	....	2.66
New Castle‖‖	Beaver	.17	.06	....	....	.09	.04	.60	.10	.06	.01	....	....	.03	.05	.18	....	.02	.01	.01	....	....	....	.07	T.	....	T.	....	.08	.35	.03	....	1.96
Newell	Monongahela	.57	....	....	....	.30	....	.80	.10	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.17	....	.10	....	....	....	....	....	....	2.04
Parkers Landing‖‖	Allegheny	.18	.05	....	....	.21	.06	.86	.22	T.	T.	....	....	T.	.10	T.	T.	T.	T.	....	....	....	T.	.27	....	T.	T.	....	.23	.55	.10	....	2.83
Pennline‖‖‡‡	Beaver	.15	.09	....	.06	....	.06	.21	.06	.06	.04	....	....	.05	.23	.02	....	.03	....	....	....	....	....	.22	....	....	.04	....	.30	.28	.02	..	1.92
Pittsburgh***	Ohio	.04	T.	..	.19	.05	.11	.91	T.	.02	T.	....	T.	.07	.14	.03	....	T.	....	T.	....	....	.02	.11	....	.01	....	T.	.32	T.	T.	...	2.02
Punxsutawney‖‖	Allegheny	.29	....	....	....	.31	T.	.89	.90	....	....	....	....	....	.16	T.	....	....	....	....	....	....	....	....	....	....	....	....	.73	.37	....	....	3.65
Ridgway	....do	....	.03	....	....	.04	.05	.63	.29	T.	.03	....	....	T.	.01	.20	T.	.01	.01	....	....	....	....	.25	.02	T.	T.	....	.26	.48	.03	T.	2.34
Saltsburg‖‖	Conemaugh	.06	.06	.01	....	.16	....	.56	.14	T.	.03	....	....	.02	.11	.10	T.	....	....	T.	T	....	....	.08	T.	....	....	....	.07	.41	....	....	1.80
Sharon‖‖	Beaver	.12	T.	....	....	.09	....	.16	....	.04	T.	....	....	.02	.02	.01	....	T.	.01	....	....	....	.02	T.	....	....	T.	....	.20	.24	.08	....	1.01
Smethport	Allegheny	.52	.11	....	....	T.	....	.07	.55	T.	T.	....	....	T.	T.	.06	....	....	....	....	....	....	....	.52	T.	....	....	....	.46	.06	T.	....	2.35
Somerset	Youghiogheny	.39	T.	..	....	.52	.13	1.02	.27	.02	T.	....	....	.12	.18	.07	....	.02	....	....	....	....	.04	.30	....	.02	....	.02	.45	.12	....	....	3.69
Springdale‖‖	Allegheny	.10	.12	....	....	.25	.01	.85	.23	.01	.07	....	....	.02	.14	.08	T.	T.	T.	.02	....	....	.01	.13	.02	....	.02	...	.09	.36	....	....	2.53
Uniontown	Monongahela	.23	....	....	....	.24	.07	.78	.05	.07	....	....	T.	.18	.18	.03	....	....	....	T.	....	....	T.	.18	....	.08	....	.03	.27	.07	....	....	2.46
Unity Reservoir‡‡	Youghiogheny	.12	....	....	....	.20	....	.61	.13	.03	.05	....	....	.11	.30	.14	....	T.	....	T.	....	....	....	.18	....	.06	T.	....	....	.15	T.	....	2.07
Vandergrift‡	Conemaugh	.12	....	....	.19	.06	....	.90	....	.03	.02	....	....	*	*	.17	....	....	....	....	....	....	....	.01	....	.02	....	....	.60	....	....	....	2.12
Warren	Allegheny	.77	....	....	....	.08	.04	.27	.03	.02	.02	.02	....	.01	.10	.03	....	.25	.05	....	....	....	.04	.06	.08	.10	.12	.08	.46	.06	....	....	2.69
Waynesburg	Monongahela	.22	....	....	....	.31	.06	.89	.11	.04	....	....	....	.16	T.	.21	....	....	....	....	....	....	....	.29	....	.06	....	....	.30	....	....	....	2.65
Westford‖‖	Beaver	....	....	....	.24	.05	.24	....	....	T.	....	....	....	.06	.04	.06	.04	.08	.03	.02	....	....	.15	....	....	....	.10	.21	....	.02	.04	.02	1.40
West Newton‖‖	Youghiogheny	.05	.06	....	....	.24	T.	.56	.07	....	.07	....	....	.02	.12	.07	....	....	....	T.	....	....	....	.11	....	....	.02	....	T.	.22	....	....	1.61
Lake Drainage.																																	
Erie***	Lake Erie	.86	T.	....	.01	.05	.02	.12	.08	.05	.04	....	....	.11	.14	.01	.01	T.	....	....	....	....	T.	.09	....	.10	T.	T.	.31	.01	T.	.03	2.04

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Clymer, Indiana: of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardvillé, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level) Mean	Highest.	Date	Lowest	Date	† Wind Average hourly velocity	Maximum * velocity	Direction	Date	Relative humidity 8 a. m.	12 noon	8 p. m.	Percentage of sunshine
Erie	30.09	30.58	2	29.22	28	15.6	38	nw.	29	78	78	77	22
Harrisburg	30.13	30.59	3	29.16	28	8.0	30	nw.	29	70	60	63	39
Philadelphia	30.15	30.63	3	29.17	28	12.7	34	w.	29	69	58	60	48
Pittsburgh	30.15	30.55	2	29.28	28	11.7	41	nw.	28	78	69	70	29
Reading	30.13	30.63	3	29.15	28	12.0	46	nw.	29	71	64	68	62
Scranton	30.12	30.60	3	29.12	28	7.5	32	nw.	29	79	67	71	31

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.0	6.7	2	2.9	20	18
Phillipsburg	Delaware	4.2	8.0	9	2.5	31	22
Mauch Chunk	Lehigh	3.6	7.0	8	2.4	31	17
Wilkes-Barre	Susquehanna	7.0	12.3	3	4.1	20	20
Williamsport	Susquehanna	4.2	11.5	2	1.8	29	20
Harrisburg	Susquehanna	5.5	8.1	9	4.4	23	17
Greensboro	Monongahela	14.7	28.4	7	11.7	22	30
West Newton	Youghiogheny	3.2	11.5	7	1.4	22	20
Lock No. 4	Monongahela	14.9	26.0	8	11.8	22	30
Pittsburgh	Ohio	14.2	22.0	8	11.4	22	25
Beaver Dam	Ohio	12.1	24.2	8	8.0	23	30

Daily Temperatures for January, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	43	32	27	33	34	39	37	46	40	42	44	37	36	39	40	47	29	30	46	45	38	45	46	39	48	40	41	54	23	14	28	38.1
	Minimum	19	22	11	13	26	32	33	34	31	31	31	29	24	30	28	29	23	16	16	19	20	21	26	28	23	24	24	23	7	5	1	22.5
Altoona	Maximum	59	46	32	32	38	44	41	48	36	35	37	33	38	35	37	39	34	27	40	46	51	41	42	44	51	41	48	47	35	8	32	39.8
	Minimum	44	21	16	23	30	33	36	34	30	28	27	21	29	28	29	28	15	11	21	18	23	28	31	20	27	25	24	35	−1	−4	0	23.5
Bedford	Maximum	57	52	32	32	44	47	44	49	38	37	41	37	41	39	39	42	37	32	41	48	56	50	51	55	52	50	50	52	42	8	38	43.1
	Minimum	42	23	17	27	32	36	39	37	32	30	27	21	32	31	31	31	21	12	21	13	16	26	34	23	33	26	22	20	2	0	4	24.5
Bellefonte	Maximum	49	32	32	34	38	43	40	46	37	34	38	34	36	33	36	37	24	28	38	41	46	38	41	41	48	37	45	47	14	10	30	36.4
	Minimum	32	18	14	28	33	34	36	34	31	28	28	22	23	30	31	22	17	11	19	13	16	28	25	23	20	22	21	14	2	0	2	21.8
Brookville	Maximum	55	51	37	38	42	45	48	42	38	40	42	37	38	38	31	35	34	22	38	41	54	45	55	47	45	48	39	36	31	18	24	39.8
	Minimum	38	18	12	18	30	37	33	34	33	34	23	15	22	20	15	22	14	−1	6	12	9	12	18	22	23	19	12	10	5	−2	3	18.4
Butler	Maximum	54	35	36	40	52	50	48	47	35	35	34	34	41	40	35	36	34	25	36	42	56	50	46	40	45	45	42	40	5	7	28	38.5
	Minimum	35	19	14	22	32	40	35	32	32	25	25	18	32	28	30	26	15	15	20	13	34	32	32	13	25	25	25	5	2	−3	−2	22.5
Carlisle	Maximum	48	48	30	33	36	51	46	48	44	40	47	44	34	38	42	47	40	32	47	50	50	31	36	46	54	52	54	55	49	14	31	42.5
	Minimum	32	25	14	28	32	33	36	40	30	30	28	22	32	31	35	25	22	15	26	13	25	28	30	27	20	25	20	40	6	4	0	25.0
Catawissa	Maximum	50	36	34	36	37	44	41	45	44	38	42	39	40	37	38	43	34	30	47	43	46	39	46	41	50	49	48	50	50	14	29	40.6
	Minimum	26	20	26	30	31	34	33	34	33	32	30	22	28	32	29	28	22	14	25	18	19	29	34	26	22	32	22	38	7	4	6	25.4
Chambersburg	Maximum	51	48	28	38	36	52	44	49	43	40	43	38	36	36	43	48	38	33	48	48	47	35	49	39	58	49	58	59	46	14	31	42.7
	Minimum	32	27	18	28	31	34	38	38	34	32	28	24	31	31	31	31	21	16	26	17	20	27	31	27	23	30	26	40	6	3	6	26.0
Chambersville	Maximum	56	46	40	37	55	56	53	57	35	37	34	40	44	39	36	37	33	29	38	42	55	54	48	44	48	49	40	45	38	6	33	42.1
	Minimum	44	20	16	24	31	39	37	33	30	25	26	18	32	27	28	23	15	9	26	14	17	34	30	17	31	24	23	35	0	−4	0	23.4
Claysville	Maximum	57	35	37	42	56	53	57	52	36	35	37	39	41	36	42	40	37	35	43	50	55	56	54	50	51	43	49	49	32	11	37	43.5
	Minimum	34	22	18	23	37	41	40	34	32	26	30	22	34	29	29	30	21	16	27	18	22	33	35	17	37	22	26	31	−1	−2	5	25.4
Clearfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	42	54	40	40	44	48	45	42	44	21	14	35	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11	14	17	31	21	20	21	31	21	2	−3	0	......
Coatesville	Maximum	51	49	29	35	37	51	43	49	40	41	42	37	38	41	41	47	37	33	45	46	42	40	50	40	59	51	50	59	42	16	29	42.3
	Minimum	35	22	16	27	31	35	38	38	32	30	25	24	32	30	30	30	22	16	25	21	21	25	33	26	27	29	24	32	8	5	4	25.6
Corry	Maximum	50	30	40	33	46	45	40	43	33	32	31	34	35	33	34	32	22	28	33	40	52	40	42	40	44	32	36	40	32	10	27	35.8
	Minimum	24	12	14	20	31	36	33	30	30	23	23	19	29	29	26	20	12	8	22	13	19	25	25	14	29	21	23	30	−1	−3	−1	20.5
Coudersport	Maximum	52	41	29	29	36	42	39	46	34	32	31	33	34	33	33	34	30	25	36	34	45	43	40	36	44	39	34	39	36	5	28	35.2
	Minimum	44	11	13	15	27	35	31	31	29	25	23	25	27	26	26	11	13	0	22	17	14	21	31	16	24	21	17	32	−7	−3	−1	19.8
Emporium	Maximum	55	35	32	35	42	45	42	47	38	34	35	38	38	35	38	36	28	29	38	38	48	38	42	42	47	35	40	43	22	20	31	37.6
	Minimum	34	20	16	20	34	38	35	36	34	28	28	28	33	30	32	15	18	8	24	14	14	21	27	20	20	25	20	22	3	1	1	22.5
Erie	Maximum	55	23	31	38	51	43	39	34	35	32	33	37	38	33	38	35	20	39	39	34	41	46	47	48	54	36	42	45	8	11	34	36.7
	Minimum	21	17	20	24	37	37	34	32	32	27	27	27	32	30	30	20	16	16	27	25	30	38	28	24	26	25	34	8	3	4	10	24.5
Franklin	Maximum	56	41	44	41	51	50	48	35	37	31	33	37	41	33	40	36	27	39	40	43	57	48	40	49	49	39	43	43	34	13	33	40.4
	Minimum	41	17	15	20	25	38	35	33	31	28	25	18	19	29	29	27	15	9	11	15	16	16	34	16	16	24	23	34	1	−1	−1	21.2
Freeland	Maximum	53	43	27	28	34	45	37	40	37	38	38	33	34	31	35	39	28	27	39	40	44	30	41	37	47	43	37	46	34	7	21	35.9
	Minimum	42	9	11	23	23	31	33	34	29	27	23	19	26	25	20	23	13	4	18	20	24	18	30	17	27	19	21	32	−3	−4	−1	20.4
Gettysburg	Maximum	52	52	31	35	40	54	49	50	42	42	47	44	38	40	43	49	44	34	46	49	51	43	50	44	60	55	57	61	50	14	31	45.1
	Minimum	34	28	20	28	33	36	39	39	30	34	27	25	32	32	35	30	25	17	26	19	23	28	32	33	30	32	36	42	8	4	7	27.9
Greensburg	Maximum	57	36	44	43	59	55	61	57	36	39	36	40	44	39	38	39	35	34	40	47	56	50	49	46	49	41	45	48	26	9	36	43.0
	Minimum	36	22	19	25	34	42	39	35	32	27	29	22	34	28	28	29	19	12	28	20	23	37	34	19	35	27	27	25	−1	−1	3	25.4
Grove City	Maximum	47	30	35	37	50	50	48	44	35	33	33	36	37	35	36	36	29	28	37	39	50	50	45	38	39	35	40	40	25	6	29	37.2
	Minimum	29	16	18	29	34	42	36	31	22	25	25	24	33	29	29	29	11	12	26	23	23	25	30	27	33	25	30	23	−1	−3	2	23.8
Hamburg	Maximum	49	40	36	45	40	46	48	48	43	44	43	40	36	34	38	45	44	28	44	44	40	38	45	40	47	51	45	46	34	16	30	40.9
	Minimum	30	20	14	28	30	33	35	35	30	29	27	22	30	28	27	23	18	15	24	20	16	22	33	27	22	29	26	33	8	3	16	24.3
Harrisburg	Maximum	53	39	30	33	36	48	42	48	42	38	46	35	36	38	42	46	34	31	46	48	45	38	47	42	54	44	49	53	26	13	31	40.4
	Minimum	36	24	17	27	32	34	38	36	35	33	31	28	31	32	36	32	21	19	29	23	26	27	32	29	31	31	29	26	7	6	8	27.3
Hawley	Maximum	50	45	24	24	32	46	39	41	39	36	34	35	32	34	32	38	34	21	36	38	33	28	41	35	50	45	37	48	43	10	21	35.5
	Minimum	32	14	7	17	23	31	33	32	31	27	27	22	28	24	20	19	16	6	12	11	16	20	27	21	15	22	13	32	−2	0	1	19.3
Huntingdon	Maximum	58	40	32	36	41	47	42	51	41	38	42	35	38	38	40	43	30	31	42	48	53	34	44	45	53	43	50	54	30	12	34	40.8
	Minimum	38	22	15	30	34	36	38	38	34	32	28	20	29	33	34	24	20	12	26	12	15	27	33	24	20	18	20	5	30	3	5	24.4
Johnstown	Maximum	60	37	39	35	47	47	50	50	39	36	40	39	42	37	36	41	32	33	43	47	56	39	46	48	52	41	48	48	24	9	37	41.2
	Minimum	36	26	21	27	34	40	40	35	34	28	30	24	34	30	30	29	19	14	29	17	21	30	31	25	28	29	29	23	2	0	7	25.9
Lancaster	Maximum	47	48	45	34	38	42	41	43	41	41	42	35	38	42	41	49	45	40	51	53	52	45	52	47	63	60	55	61	56	43	35	46.0
	Minimum	26	22	12	25	30	31	34	27	23	23	19	19	34	33	34	25	22	17	21	25	23	24	37	27	23	26	23	29	9	5	5	23.6
Lawrenceville	Maximum	51	33	33	34	40	42	40	45	40	37	36	35	37	37	44	38	31	28	38	38	38	38	42	41	46	42	41	49	33	12	27	37.6
	Minimum	30	13	12	20	31	34	32	35	31	32	28	24	31	27	24	20	17	5	24	16	19	22	30	19	28	24	22	33	−2	0	−1	21.9
Lebanon	Maximum	47	35	29	34	35	46	40	46	41	39	45	35	35	38	41	47	27	30	45	49	43	45	47	41	49	43	45	54	31	15	34	39.7
	Minimum	19	25	15	15	29	33	33	34	29	29	28	24	27	31	32	26	23	15	15	16	20	25	29	28	23	25	27	31	8	4	4	23.3
Marcus Hook	Maximum	....	55	43	48	42	46	44	55	49	47	49	47	45	46	50	50	49	47	46	....	....	52	49	57	57	56	58	53	53	32	37	48.6°
	Minimum	36	28	20	28	34	37	37	37	46	....	29	36	33	32	36	27	19	29	27	....	....	39	29	32	34	29	37	12	8	11	17	29.2°
Mifflin	Maximum	50	52	36	34	38	49	47	45	44	41	45	41	36	37	39	46	40	34	46	50	50	44	46	48	52	52	48	54	46	13	32	43.1
	Minimum	32	27	15	29	32	33	45	35	34	31	30	20	32	32	28	23	21	15	22	13	16	28	32	26	19	23	21	32	6	4	2	24.5
Montrose	Maximum	49	41	34	27	36	43	38	40	36	32	33	30	30	31	31	34	29	29	31	34	34	32	40	34	43	42	36	43	40	15	19	34.4
	Minimum	33	15	5	17	22	33	29	30	28	27	26	20	22	17	14	12	1	9	9	14	16	18	28	15	23	19	15	30	−9	−7	−7	16.9
Muncy Valley	Maximum	44	35	26	33	34	40	40	44	38	36	42	38	36	33	35	39	33	24	42	38	44	36	43	41	37	40	39	39	39	11	20	36.0
	Minimum	19	12	11	21	28	32	30	33	30	28	27	21	29	29	24	15	15	5	20	15	18	27	20	19	21	28	25	32	0	−2	−3	20.3
Philadelphia	Maximum	54	39	33	38	45	52	45	51	44	45	47	39	43	45	45	51	37	33	48	47	42	44	52	43	59	47	49	59	35	19	31	43.9
	Minimum	39	24	23	32	36	40	41	42	41	36	33	34	37	34	34	37	27	22	30	32	30	33	36	42	35	36	35	35	12	10	12	31.6
Pittsburgh	Maximum	58	28	39	41	55	47	54	49	36	31	36	40	43	31	39	39	27	39	41	46	54	52	50	48	51	41	46	48	8	10	37	40.8
	Minimum	27	24	23	30	41	42	41	35	31	27	29	28	30	30	31	27	19	19	31	28	28	40	29	26	31	29	35	8	1	−1	9	26.7
Quakertown	Maximum	47	46	29	33	37	45	41	46	43	42	43	40	38	39	39	45	41	29	43	44	38	38	47	38	53	51	41	55	47	14	28	40.6
	Minimum	33	21	10	26	29	33	36	36	26	27	28	19	31	32	27	28	22	15	24	15	17	21	35	27	22	24	20	27	7	5	5	23.5
Reading	Maximum	55	37	29	34	38	47	43	46	41	40	45	35	39	40	43	48	33	33	45	49	42	39	47	41	54	42	43	58	28	15	32	40.7
	Minimum	36	24	15	27	33	34	37	37	34	32	32	26	33	33	32	32	23	18	31	27	24	26	31	29	36	32	28	28	8	6	8	27.5
Ridgway	Maximum	52	28	31	38	43	43	36	35	36	32	32	36	31	31	35	35	20	37	36	39	40	37	39	45	44	34	41	41	8	13	33	34.9
	Minimum	17	13	18	19	26	34	34	31	27	24	18	25	25	27	21	14	1	2	3	10	10	14	10	11	12	18	24	1	−3	−3	−2	15.5
Scranton	Maximum	47	25	28	34	40	45	42	42	40	37	36	38	38	35	36	41	24	28	37	41	41	40	47	37	45	35	41	46	18	12	27	36.2
	Minimum	25	14	15	28	31	38	38	37	35	30	30	29	34	28	23	24	14	12	28	26	24	26	29	24	26	25	23	18	0	3	6	24.0
Selinsgrove	Maximum	54	45	32	36	37	47	48	47	43	40	46	40	37	37	43	45	41	39	45	47	50	41	47	43	51	51	48	52	45	33	31	43.3
	Minimum	30	16	15	24	26	32	36	37	34	30	33	22	30	29	30	27	21	23	26	20	16	27	31	25	25	23	22	34	11	2	2	24.5
Somerset	Maximum	54	42	36	30	52	48	55	48	34	32	35	36	40	32	33	35	30	32	39	43	54	42	42	46	46	39	41	45	32	4	35	39.1
	Minimum	42	20	15	23	28	33	36	34	29	24	25	18	30	25	25	25	15	−2	23	5	12	29	28	17	28	24	25	32	−6	−6	−2	21.1
State College	Maximum	57	44	33	35	39	44	42	47	40	44	39	35	37	35	37	39	32	29	38	44	45	41	43	42	51	42	46	50	28	10	31	39.3
	Minimum	44	23	14	26	29	34	35	35	32	30	27	22	23	29	29	24	15	10	25	18	19	26	30	21	28	22	26	28	0	−3	1	23.3
Stroudsburg	Maximum	52	35	28	33	34	50	41	45	41	39	43	34	36	37	36	44	27	33	44	44	38	45	48	40	51	42	41	50	23	15	28	38.6
	Minimum	20	10	10	12	25	32	30	32	31	29	29	20	20	32	25	25	21	13	13	14	15	20	25	26	26	24	19	23	4	4	4	20.4
Towanda	Maximum	54	28	30	36	41	46	40	46	41	40	39	35	37	37	36	40	31	27	39	40	37	37	44	40	40	36	41	49	24	12	26	37.1
	Minimum	28	12	11	23	30	34	33	35	31	31	25	24	31	30	24	21	11	10	25	18	19	25	28	23	29	22	20	24	0	2	5	22.1
Uniontown	Maximum	58	38	42	42	57	54	65	58	38	35	39	40	46	36	42	44	35	36	46	53	63	55	55	51	52	47	50	49	33	10	37	45.4
	Minimum	38	25	22	29	38	38	42	37	33	29	30	22	36	30	30	31	23	16	30	18	21	41	34	19	31	30	30	33	0	0	4	27.1
Vandergrift	Maximum	58	29	43	42	58	53	56	51	36	34	34	39	49	39	40	43	30	39	43	49	58	51	50	45	52	44	44	48	18	11	38	42.7
	Minimum	28	20	19	26	39	40	40	35	33	28	27	22	33	31	32	28	19	17	22	19	19	34	31	21	27	26	27	11	−2	1	6	24.5
Warren	Maximum	55	40	35	35	42	44	48	40	35	38	34	36	39	38	35	36	28	26	38	37	48	40	45	38	45	45	37	45	25	8	29	37.5
	Minimum	40	26	20	27	34	40	40	35	30	28	29	29	33	28	29	28	18	12	26	24	30	38	38	22	35	26	30	25	3	0	8	26.8
Waynesburg	Maximum	58	40	42	46	58	55	63	54	39	35	34	39	44	36	42	41	35	36	44	52	60	56	54	49	52	45	50	50	33	14	35	44.9
	Minimum	38	23	19	25	39	41	40	35	32	27	30	21	34	29	29	32	22	15	28	16	19	34	34	19	36	29	27	32	0	−1	7	26.2
Wellsboro	Maximum	53	32	30	30	38	42	38	38	39	39	38	34	35	34	34	37	27	25	32	40	42	33	40	42	47	38	38	45	24	10	26	35.5
	Minimum	25	10	9	15	26	34	31	31	29	27	27	28	27	26	26	15	14	3	20	14	17	20	25	18	25	21	20	24	−3	−2	0	19.4
Williamsport	Maximum	41	42	28	34	35	38	40	44	40	37	42	37	35	36	38	40	36	27	40	40	42	36	44	42	37	41	42	50	37	12	26	37.4
	Minimum	30	18	15	24	31	34	35	35	35	32	30	23	32	32	31	22	21	13	25	19	22	29	33	25	24	23	23	35	6	3	4	24.6
Williamstown	Maximum	39	44	42	37	35	48	48	45	38	36	42	38	33	34	35	42	38	28	42	44	44	42	42	39	51	49	42	48	46	9	25	39.5
	Minimum	30	32	30	32	32	31	31	35	31	29	26	23	28	27	27	27	17	11	22	25	32	24	29	21	31	25	28	32	2	−2	2	24.8
York	Maximum	55	53	34	36	40	52	47	49	44	41	41	41	38	42	43	50	42	33	46	50	48	40	53	44	60	54	54	58	48	15	33	44.6
	Minimum	33	27	18	29	33	37	40	35	29	26	22	23	33	28	35	27	25	14	25	16	19	29	35	29	26	28	26	32	9	5	4	25.7

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

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G. S. BLISS.
PHILADELPHIA, PA.

VOL. XXXIX. FEBRUARY, 1934. No. 2.

GENERAL SUMMARY.

February was intensely cold in all parts of the State, averaging ten degrees below the normal. This average was 2.1 degrees below that of the previous coldest February in 1895, and the condition seems to apply quite generally to all parts of the State. At a fairly large number of stations, including Philadelphia, it was the coldest month of record. No zero temperatures had been recorded in Philadelphia since February 1918, but on the 9th of this month the mean temperature for the day was zero, and the minimum eleven degrees below. It was the coldest day in Philadelphia during the last century. About one-half of the stations reported the lowest temperature for the month on the 9th and the remainder on the 28th. Although the precipitation was less than half of the February average, the snowfall was unusually heavy, especially in the southeastern part of the State. On the 19th and 20th a fairly heavy snowfall in that region was followed by gales of wind that swept the snow from the fields and piled it up behind fences and on the highways, effectually blocking traffic for two or three days. In some places the drifts on the highways were from six to eight feet deep, making removal by snowplows impossible. One-way traffic lanes were shoveled through such places, and traffic was just beginning to move again when a six to eight-inch snowfall, accompanied by strong winds restored the blockade. It was a condition that has not been experienced in a generation in this part of the State. Snow-cover on the fields afforded a moderate degree of protection for the winter grains, which do not seem to have been greatly damaged. However, there was extensive damage to macadam and gravels roads by the deep penetration of frost, and many miles will have to be completely rebuilt, while the repair work will be three or four times as much as that following average winters. Orchard fruits suffered heavy damage by freezing of the bud, and the peach crop is reported as virtually ruined. The intense cold caused much suffering and the loss of many lives, inasmuch as many homes were short of fuel and some had none at all on account of the unemployment conditions. Despite that fact, it was noted that epidemic colds were not as prevalent as during milder winter months. Outdoor work was mostly suspended during the entire month.

TEMPERATURE.

The mean temperature for the State, as deduced from the observations taken at 90 stations, was 18.1°, which is 10.0° below the February normal. The highest monthly mean was 24.4°, at Marcus Hook, and the lowest 6.8°, at Ridgway. Extremes of temperature ranged from a maximum of 59° at Chambersburg on the 15th, to a minimum of —34° at Lawrenceville on the 28th. The greatest daily range in temperature was 65° at Lawrenceville on the 28th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports of 141 well-distributed stations, was 1.31 inches, which is 1.66 inches less than the normal for the month. The greatest monthly amount was 3.74 inches at Doylestown, and the least amount was 0.48 inch at Hyndman. The greatest amount for any 24 consecutive hours was 1.56 inches at Doylestown on the 25-26th.

Snowfall for the month averaged 14.4 inches, which is 3.2 inches more than the normal for the month. The greatest monthly snowfall was 32.2 inches at Ardmore, and the greatest 24-hour fall was 11.0 inches at Neshaminy Falls on the 1st.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888........	28.4	+0.3	63	−31	2.50	−0.47	4.97	0.89	7.2	9	7	11	11
1889........	23.0	−5.1	60	−27	1.96	−1.01	3.87	0.97	8.7	9	7	9	12
1890........	37.0	+8.9	79	0	4.32	+1.35	6.39	2.28	5.6	11	6	8	14
1891........	34.8	+6.7	70	−7	4.61	+1.64	8.29	2.13	5.6	12	6	8	14
1892........	31.6	+3.5	62	−18	1.75	−1.22	4.48	0.43	6.3	9	7	7	15
1893........	27.3	−0.8	60	−16	5.92	+2.95	9.28	2.92	26.4	14	6	8	14
1894........	27.6	−0.5	64	−24	3.53	+0.56	5.59	1.62	22.7	11	8	9	11
1895........	20.2	−7.9	60	−26	1.22	−1.75	3.47	0.17	13.2	6	10	10	8
1896........	29.4	+1.3	65	−21	4.90	+1.93	9.08	1.94	10.5	11	9	7	13
1897........	30.6	+2.5	67	−14	3.28	+0.31	6.67	1.04	10.3	9	7	8	13
1898........	29.4	+1.3	72	−16	2.23	−0.74	4.05	0.96	6.1	9	8	8	12
1899........	22.7	−5.4	67	−39	4.05	+1.08	10.22	0.98	23.6	12	8	7	13
1900........	27.1	−1.0	81	−17	4.22	+1.25	7.75	1.00	7.0	11	8	6	14
1901........	21.7	−6.4	57	−22	0.96	−2.01	2.75	0.27	7.9	8	10	9	9
1902........	23.9	−4.2	64	−24	3.99	+1.02	7.43	0.45	14.3	10	9	7	12
1903........	30.5	+2.4	68	−17	4.49	+1.52	6.13	1.80	10.8	10	10	7	11
1904........	21.8	+6.3	68	−27	2.41	−0.56	4.80	0.92	6.8	11	10	7	12
1905........	20.8	−7.3	59	−25	1.70	−1.27	2.83	0.44	9.7	8	10	8	10
1906........	28.0	−0.1	79	−21	1.70	−1.27	3.80	0.36	6.8	7	12	7	9
1907........	22.8	−5.3	56	−20	1.91	−1.06	4.37	0.66	15.2	8	12	7	9
1908........	24.8	−3.3	64	−29	4.65	+1.68	8.15	2.51	23.6	11	10	7	12
1909........	35.8	+7.7	73	−9	4.84	+1.87	9.86	2.40	4.0	14	6	7	15
1910........	26.6	−1.5	65	−22	3.59	+0.62	5.39	1.41	15.0	11	9	7	12
1911........	31.0	+2.9	66	−8	2.27	−0.70	3.76	0.85	11.1	10	7	6	15
1912........	23.7	−4.4	69	−27	2.20	−0.77	4.05	0.37	6.5	8	11	8	10
1913........	27.4	−0.7	67	−9	1.84	−1.13	4.61	0.88	5.7	9	12	5	11
1914........	21.8	−6.3	65	−27	2.78	−0.19	6.20	1.30	23.5	10	11	6	11
1915........	33.3	+5.2	73	−9	3.90	+0.93	6.95	1.85	2.0	9	9	5	14
1916........	25.7	−2.4	67	−22	3.08	+0.11	5.86	1.30	14.3	12	8	7	14
1917........	25.6	−2.5	68	−29	1.46	−1.51	3.37	0.35	8.0	10	9	9	10
1918........	28.2	+0.1	69	−34	2.46	−0.51	4.82	0.55	2.9	9	10	8	10
1919........	32.0	+3.9	66	−7	2.23	−0.74	4.27	1.03	4.7	11	12	6	10
1920........	25.6	−2.5	62	−20	2.44	−0.53	5.23	0.70	18.3	11	9	8	12
1921........	32.8	+4.7	76	−15	2.59	−0.38	4.79	1.41	15.4	10	8	8	12
1922........	33.0	+4.9	74	−19	1.99	−0.98	3.61	0.67	7.7	10	9	9	10
1923........	24.6	−3.5	58	−20	2.16	−0.81	4.80	0.65	11.7	12	8	8	12
1924........	26.9	−1.2	70	−25	2.94	−0.03	5.16	1.27	16.3	10	11	7	11
1925........	35.6	+7.5	71	−11	2.16	−0.81	4.61	0.55	2.1	8	11	7	10
1926........	28.7	+0.6	65	−13	4.06	+1.09	7.29	1.34	23.3	12	7	6	15
1927........	35.0	+6.9	69	−8	3.48	+0.51	5.94	1.25	16.5	13	7	8	13
1928.......	30.3	+2.2	65	−11	3.42	+0.45	5.39	1.62	6.7	11	10	7	12
1929........	28.0	−0.1	69	−20	2.87	−0.10	5.17	1.36	11.7	9	10	8	10
1930........	35.1	+7.0	80	−18	2.69	−0.28	4.88	0.93	3.9	11	9	6	13
1931........	31.9	+3.8	66	−16	1.98	−0.99	3.61	0.87	5.2	9	11	5	12
1932........	35.3	+7.2	83	−8	1.64	−1.33	4.24	0.62	2.9	10	10	8	11
1933........	31.3	+3.2	68	−15	2.30	−0.67	4.31	0.73	9.4	10	12	7	9
1934........	18.1	−10.0	59	−34	1.31	−1.66	3.74	0.48	14.4	7	13	7	8
Period.....	28.1	....	83	−39	2.97	....	10.22	0.17	11.2	10	9	7	12

W. B. O. Philadelphia-3-29-34-1250

Climatological Data for February, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	16.4	−14.1	49	15	−12	9	45	1.48	−1.64	0.37	17.6	7	21	2	5	nw.	John A. Frick.
Altoona	Blair	1,615	47	17.6	−9.6	48	21	−20	9	40	0.79	−1.42	0.30	10.1	9	19	7	2	w.	F. E. Rooney.
Ardmore	Montgomery	350	2	19.4	−13.8	56	22	−14	9	44	2.80	−0.59	0.78	32.2	9	....	....	....	......	H. G. Balderston.
Bedford	Bedford	1,060	2	20.8	....	50	15	−20	28	53	0.77	....	0.40	6.0	4	13	1	14	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	15.6	−11.7	50	15	−31	28	53	0.68	−1.76	0.44	10.2	6	9	9	10	w.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	20.6	−10.5	48	15	−13	9	37	1.82	−1.55	0.95	18.0	9	19	3	6	nw.	Lehigh University.
Carlisle	Cumberland	467	68	22.4	−7.6	55	15	−18	28	44	0.80	−2.27	0.65	8.5	5	16	2	10	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	19.6	−10.0	49	15	−23	28	50	1.50	−1.19	0.75	17.2	5	22	3	3	......	W. L. Gearhart.
Center Hall	Center	1,272	38	18.8	−8.5	50	15	−18	9	35	1.36	−1.10	0.85	12.5	5	20	2	6	......	S. W. Smith.
Chambersburg	Franklin	580	35	23.4	−8.0	59	15	−11	28	43	0.75	−2.15	0.47	7.0	5	12	8	8	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	17.6	−10.9	49	18	−22	28	54	1.13	−1.60	0.80	16.0	6	17	7	4	nw.	E. W. Hess.
Coatesville	Chester	380	47	19.3	−11.1	47	22	−14	9	32	2.61	−1.35	0.80	24.8	8	16	3	9	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	18.3	−12.0	50	15	−14	9†	39	1.16	−1.90	0.71	12.4	6	17	2	9	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	15.5	−10.1	48	15	−28	28	57	1.14	−1.86	0.65	10.5	6	12	8	8	w.	T. B. Lloyd.
Ephrata	Lancaster	380	42	21.2	−8.5	48	15	−14	28	41	1.35	−1.74	0.50	16.4	7	14	7	7	s.	Ira J. Keath.
Freeland	Luzerne	1,970	41	14.0	−10.7	46	22	−24	9	37	1.80	−1.40	0.63	20.5	9	13	6	9	nw.	Theo. Reichmann.
George School	Bucks	190	28	18.4	−12.8	42	22	−16	9	39	2.51	−0.58	0.89	23.8	9	11	10	7	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	23.3	−7.8	55	15	−13	28	40	1.02	−1.79	0.63	9.9	7	14	7	7	nw.	Dr Henry Stewart
Gordon	Schuylkill	840	30	16.2	−10.8	46	15	−22	28	47	1.52	−1.85	0.74	16.0	6	16	7	5	nw.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	8.2	−16.6	40	22	−24	9	41	0.96	−2.14	0.29	10.5	7	14	7	7	w.	Gustav Holtz.
Hamburg	Berks	535	41	20.2	−9.0	50	15	−13	9	40	1.35	−2.08	0.60	14.5	6	14	10	4	w.	State Sanatorium.
Hanover	York	600	30	23.7	−9.2	53	15	−10	9	34	1.43	−1.27	0.58	16.0	7	13	7	8	nw.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	21.4	−8.8	52	15	−11	9	33	1.00	−1.96	0.73	9.6	4	11	7	10	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	16	13.3	−13.1	45	22	−25	28	56	1.22	−1.32	0.36	17.0	8	19	5	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	21.2	−11.9	38	22	−9	9	27	2.14	−0.54	0.70	24.0	7	15	8	5	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	21.0	−8.2	53	15	−22	28	54	0.88	−1.97	0.57	9.0	4	13	5	10	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	23.0	−8.5	54	15	−17	28	48	0.48	−2.20	0.30	4.8	4	9	0	19	......	Horace A. Sheavly.
Kylertown	Clearfield	1,637	3	13.8	....	44	15	−21	9	40	1.33	....	0.60	12.8	8	12	5	11	s.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	22.3	−8.7	49	15	−18	28	48	2.10	−0.61	0.81	18.8	6	14	10	4	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	15.0	−9.5	49	18	−34	28	65	0.80	−1.01	0.55	13.5	5	16	8	4	......	C. P. Darling.
Lebanon	Lebanon	469	50	18.8	−10.8	52	15	−12	9	45	1.11	−2.23	0.50	14.5	5	19	4	5	sw.	Lebanon Valley Gas Co.
Lewisburg	Union	450	58	20.6	−6.7	50	15	−23	28	49	1.07	−1.76	0.72	11.0	4	13	4	11	w.	Prof. W. G. Owens.
Lock Haven	Clinton	560	44	20.6	−7.4	48	15	−16	28	46	0.97	−1.81	0.90	11.7	4	10	12	6	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	24.4	....	45	22	−12	9	34	2.40	....	0.80	13.7	5	15	7	6	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	17.0	−10.8	45	18	−16	9	40	1.16	−2.58	0.57	14.7	6	13	6	9	n.	R. K. Wintermute.
Mifflin	Juniata	445	30	22.6	−6.2	54	15†	−17	28	46	0.72	−1.71	0.70	7.2	2	12	12	4	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Silas Jagger.
Mt. Pocono	Monroe	1,720	28	7.4	−13.9	43	15	−25	9	33	1.38	−1.64	0.70	19.0	7	19	1	8	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	14.4	−12.0	43	22	−23	28	46	0.72	−1.75	0.72	8.0	1	20	2	6	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	17.3	−12.5	46	22	−18	9	41	2.29	−0.57	0.82	24.0	7	17	9	2	nw.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	16.9		47	15	−15	9	35	1.22	−1.01	0.88	13.9	6	18	5	5	nw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	22.2	−11.7	47	22	−11	9	29	2.75	−0.57	0.80	18.1	9	12	7	9	nw.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	21.8	....	47	22	−11	9	28	2.82	....	0.80	21.0	10	11	9	8	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Commandant, Navy Yard.
Phoenixville	Chester	100	24	20.2	−12.0	45	22	−16	28	46	2.39	−0.87	0.78	23.0	9	12	12	4	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	17.4	−11.4	46	15	−20	28	44	1.90	−1.74	0.68	19.2	8	10	12	6	nw.	John E. Benner.
Reading	Berks	514	64	21.2	−7.6	49	15	−11	9	34	1.96	−1.46	0.85	16.6	8	12	8	8	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	805	40	15.4	−11.9	48	22	−19	9	35	1.31	−1.73	0.57	17.8	8	11	9	8	n.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	44	20.9	−7.2	50	15	−21	28	46	0.87	−2.03	0.72	10.2	7	13	5	10	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	21.0	−12.8	46	22	−12	9	32	1.74	−1.53	0.54	22.0	9	11	9	8	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	23.6	....	56	15	−10	28	43	0.65	....	0.42	7.4	5	8	11	9	sw.	State Teachers College
State College	Center	1,217	50	18.8	−7.7	49	15	−17	9	41	1.25	−1.49	0.72	11.5	7	14	9	5	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	14.6	−12.6	50	15	−18	28	49	1.30	−1.69	0.45	13.4	9	14	2	12	nw.	State Normal School.
Towanda	Bradford	754	40	14.8	−10.0	47	18	−27	28	51	0.84	−1.15	0.55	10.0	6	12	7	9	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	14.2	−10.8	45	15†	−30	28	61	0.98	−1.30	0.60	14.7	6	13	7	8	nw.	George W. Hill.
West Chester	Chester	455	85	20.2	−10.9	45	22	−15	9	27	2.55	−1.27	0.90	25.5	7	15	6	7	nw.	Joseph W. Belt.
Williamsport	Lycoming	521	48	19.3	−8.4	45	15	−18	28	40	0.89	−1.71	0.45	12.5	4	14	5	9	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	19.6	−11.1	48	15	−18	9	42	1.12	−1.64	0.55	14.0	7	15	8	5	nw.	Susquehanna Collieries Co.
York	York	400	46	21.7	−9.3	50	15	−17	28	47	1.36	−1.53	0.52	17.0	7	14	8	6	nw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	20.6	−12.2	53	18	−15	28	44	1.09	−1.31	0.65	11.0	6	8	3	17	......	U. S. Engineer.
Brookville	Jefferson	1,173	44	13.2	−12.1	53	19	−30	28	63	1.20	−1.17	0.56	10.0	6	10	12	6	......	John Fawcett.
Butler	Butler	1,077	21	16.3	−12.5	51	18	−24	28	50	1.20	−1.22	0.65	13.5	4	17	6	5	nw.	William C. Faust.
Chambersville	Indiana	1,047	4	17.6	−11.9	53	18†	−20	28	52	0.78	−2.24	0.19	12.1	11	11	5	12	nw.	John E. Lewis.
Clairton	Allegheny	1,020	2	17.8	....	56	18	−13	9	42	0.76	....	0.25	11.8	9	8	5	15	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	21.6	−9.8	54	18	−13	9	46	0.91	−1.60	0.38	11.4	7	14	1	13	w.	J. L. Melvin.
Corry	Erie	1,430	21	11.8	−14.3	46	18	−30	9	52	1.30	−1.95	0.31	19.0	12	14	7	7	nw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	11.1	....	44	18	−30	28	57	0.78	−2.11	0.50	12.5	9	9	8	11	nw.	West Penn. Power Co.
Derry	Westmoreland	1,172	37	20.0	−9.6	55	18	−19	28	53	1.02	−2.12	0.30	13.7	9	14	6	8	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	17.1	−10.9	49	18	−21	9	39	1.29	−1.59	0.40	19.5	7	12	8	8	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	16.6	−11.4	50	15†	−20	9	45	3.20	−0.18	0.70	32.0	12	10	6	12	w.	J. S. Stevanus.
Franklin	Venango	957	60	11.2	−14.6	50	18	−23	28	56	1.06	−1.77	0.49	12.0	8	12	5	11	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	20.6	−11.0	54	18	−15	28	49	1.62	−1.43	0.72	18.8	10	8	8	12	sw.	Westmoreland Water Co.
Greenville	Mercer	950	38	15.7	−11.1	48	18	−21	9	47	1.22	−1.32	0.25	12.2	12	14	3	11	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	21.2	−9.0	54	18	−13	28	48	1.29	−2.49	0.37	12.4	13	13	7	8	w.	Robert Tross.
Kane (near)‡‡	Elk	2,020	2	12.0	....	47	17	−29	9	41	1.52	....	0.38	17.7	10	14	5	9	nw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	42	20.2	−9.2	54	18	−17	9	38	1.29	−1.90	0.60	13.4	6	1	18	9	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	14.2	−9.6	47	18	−22	9	44	1.15	−1.67	0.35	13.9	8	11	4	13	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	18.0	....	54	18	−15	9	38	1.03	....	0.45	10.1	7	10	3	15	nw.	Fred Hoffman.
New Castle	Lawrence	808	54	14.2	−14.2	51	19	−23	28	40	1.19	−1.23	0.55	11.8	12	7	14	7	n.	New Castle Water Co.
Newell	Fayette	800	14	19.9	−12.2	54	19	−17	28	38	1.11	−1.16	0.80	10.0	3	5	11	12	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	19.7	−12.6	53	18	−11	9	39	0.85	−1.77	0.56	11.2	7	10	6	12	w.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	6.8	−19.6	41	15	−29	27	52	0.77	−1.65	0.38	10.8	12	10	5	13	s.	West Penn. Power Co.
Sharon‡‡	Mercer	940	21	13.0	−15.2	46	18	−20	9	42	0.58	−1.16	0.28	7.8	6	12	5	11	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	15.6	−11.4	50	18	−29	28	62	1.03	−2.91	0.37	16.1	11	6	6	16	nw.	D. L. Grove.
Uniontown	Fayette	1,100	46	21.6	−10.8	56	18	−16	28	50	1.16	−1.92	0.35	16.0	10	8	7	13	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	18.7	−13.3	55	18	−17	28	48	1.01	−1.86	0.32	10.1	7	15	5	8	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	13.6	−10.9	45	18	−27	9	46	1.47	−1.07	0.51	13.4	9	13	7	8	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	22.8	....	53	18	−13	28	46	1.01	....	0.25	9.0	6	7	8	13	nw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	14.0	−12.9	48	18	−13	9	38	1.01	−1.57	0.37	10.4	11	12	7	9	nw.	U. S. Weather Bureau.
For the State	......	......	....	18.1	−10.0	59	15	−34	28	65	1.31	−1.66	1.56	14.4	7	13	7	8	nw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for February, 1934

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.01	.34											.02							.36			.06			.37	.82					1.48
Altoona	Juniata	T.			.02	T.	.03	.01					T.	.20						.05				.04		.12	.30	.02					0.79
Ansonia‖‖	W. Br. Susq				.02	.01	T.	.04									T.				.04			.01	T.		.37	.16					0.65
Ardmore	Lower Del	*	.76				.03							.14						*	.78		.13			.34	.62						2.80
Baker's Summit	Juniata													.03						.04						.15	.43						0.65
Bedford	Juniata	.15	T		.02	T.	T.							T.						T.				T.		.20	.40						0.77
Bellefonte***	W. Br. Susq	T.			.01	T.	T.	T.					T.	T.						.08	T.		.01	.01	T.	.20	.37						0.68
Bethlehem	Lehigh	.16	.13		T.			T.						.06						.09	.30			.05		.04	.95	.04					1.82
Bloserville‡‡	Lower Susq	.10																		T.			T	T.		*	.42						0.52
Buffalo Mills	Juniata													.05													.40	.08					0.53
Carlisle	Lower Susq	.08					.03	T.												T.	.04					.24	.41						0.80
Catawissa‡	N. Br. Susq	.12												.20						.21			T.			.22	.75						1.50
Center Hall	Susquehanna	.11						.10												.18						.12	.85						1.36
Chambersburg	Potomac	.04	.02				.04													T				T.		.18	.47						0.75
Clearfield	W. Br. Susq	T.			T.	.03							.02	.03						.20				T.		.05	.80						1.13
Coatesville	Lower Del	.80					.08							.10						.60	.15		.13	T.		.30	.45						2.61
Colebrook	Lower Susq	.25	T.		T.			T.						.02						*	.18			T.		*	.71						1.16
Conshohocken	Schuylkill	.81			T.	.02	.01							.06						.91	.03		.19			.55	.64						3.22
Cresson‡	Juniata																																
Doylestown	Lower Del	.34	.32				T.							.05						*	.82			.13		.52	1.56						3.74
Emporium	W. Br. Susq	T.			T.			.09					T	.10						.10			.10	T.		.10	.65						1.14
Ephrata	Lower Susq	.24	.06											T						.25	.13			.03		.14	.50						1.35
Forest City	N. Br. Susq	.06	.41		.14	.06								.12							.09					.14	.11						1.13
Freeland‖	Lehigh		.22		.02	.01		T.	.01					.11							.38			.02	T		.63	.40					1.80
Galeton	W. Br. Susq				.05			.07					T.	T.						.07			.07	T.		T.	.64						0.90
George School	Lower Del	.28	.44											.03						.44	.45		.04	.05		.16	.62						2.51
Gettysburg	Potomac	.09	.03				.04							T.						.02	.01			T.		.20	.63						1.02
Girardville‖‖	Lower Susq	.24											.17							.36			.01			.11	.21	.72					1.82
Gordon	Lower Susq	.10	.08											.30							.20			T.		.10	.74						1.52
Gouldsboro‡‡	Lehigh		.18		.09											.04					.18			.09		.09		.29					0.96
Graterford	Schuylkill	.41	.27											.02						.05	.43		.01	.04		.08	.41	.14					1.86
Hamburg	Schuylkill	.30	.25											.02						.10						.08	.60						1.35
Hanover	Lower Susq	.16	.13				.05							T.						.16	.11			T.		.24	.58						1.43
Harrisburg***	Lower Susq	.08			T.	T.		T.					T.	T.						.16	T.		T.	T.		.27	.49						1.00
Hawley‖‖	Upper Del		.20		.03	.03		.01	T.					.03	T.						.26						.30	.36					1.22
Hollisterville	Upper Del		.19		.04	.02								.15	T.						.24						.45	.30					1.39
Holtwood‡‡	Lower Susq		.58				.17							.04							.70		.04			.26	.35						2.14
Huntingdon	Juniata	.03	T.		T.	T.	T.	T.												.11	T.			T.		.17	.57						0.88
Hyndman	Potomac	.07			T.	T	T.							.01									T.	T.		.30	.10						0.48
Kylertown	W. B. Susq				.01		.02	.16						.30							.15			.02			.60	.07					1.33
Lakeville‖‖	Upper Del		.18		.04	T.								.03							.26						.50	.40					1.41
Lancaster	Lower Susq	.40					.05													.68				.06		.10	.81						2.10
Lansford‖‖	Lehigh		.16			T.			.01					.15							.14			.01	T.		.47	.43					1.37
Lawrenceville	N. Br. Susq	T.			.05			.05						T.		T.				.10			T.	T.		.05	.55	T.					0.80
Lebanon	Lower Susq	.02			T.			T.					.01							.20	T	T.	T.	T.			.50	.38					1.11
Lewisburg	W. Br. Susq	T.			T.															.05	.12					.18	.72						1.07
Lock Haven	W. Br. Susq	T.			.02			T.												.03				T.		.02	.90						0.97
Marcus Hook	Lower Del	.91				.01														.80			.18	T		T.	.50						2.40
Matamoras‖‖	Upper Del		.35		.03									.05							.24						.24	.42					1.33
Mauch Chunk	Lehigh	.20	.01											.08						.13						.17	.57						1.16
Mifflin	Juniata													T.						.02						T.	.70						0.72
Montrose	N. Br. Susq																																
Morris Run	N. Br. Susq				.07			.04						.03		T.				.03	.07		T.	.02		.04	.64	.02					0.96
Mount Pocono	Upper Del	.06		T.	.10								.10	.12						T.						.10	.70	.20					1.38
Muncy Valley	W. Br. Susq	T			T.	T.																		T		T.	.72	T.					0.72
Neshaminy‖‖	Lower Del	.76											T.	.02						.82	.09		.15			.05	.40						2.29
New Park	Lower Susq	.42				.08														.54			.06			.18	.54						1.82
Newport‖‖	Juniata		.05																		.20					T.	.40	.23					0.71
Palmerton‡	Lehigh	.11			T.									.02						.06			.03			.12	.88						1.22
Paupack‖‖	Upper Del		.20		.02	.04								.04							.25						.40	.40					1.35
Philadelphia***	Lower Del	.72			T.	.01	.01						T.	03						.73	.07		.15	T.		.43	.60						2.75
Philadelphia-Gtn	....do	.51	.21			.05								.05						.42	.38		.08	.07		.32	.73						2.82
Phila. Navy Yard‖‖	....do																																
Phila-P'nt Breeze.‡	Lower Del	.76			T	.01	.01						T.	.04						.65	.10		T.	.16		.48	.57						2.72
Phoenixville	Schuylkill	.27	.33		T.		.03							.02						.21	.57			.18		.16	.62	T.					2.39
Pine Grove	Lower Susq	.10											.05	.05						.20				T.		.10	.55						1.05
Pleasant Mount	Upper Del	.09			.33			.08												.16							.77						1.43
Pottstown	Schuylkill	*	.80	T.	T.	T.							.01							.50			.08	.01		.42							1.82
Pottsville	Schuylkill	.03	.05		T.									.04						.04	.12			.01	T.	.13	.59	T.					1.01
Quakertown	Lower Del	.21	.18											.03						.14	.48			.04		.14	.68	T.					1.90
Reading***	Schuylkill	.50		T.	T.	T.	T.	T.					.01	.01						.44	T.		.07	.01		.31	.61						1.96
Renovo‖	W. Br. Susq				.04									T							.06			.04			.36	.30					0.80
Retreat	N. Br. Susq	.15	.06					T.						.20						.25	.08					.25	.70						1.69
Scranton***	....do	.15			.04	T.	T.	.01					T.	.25		T.				.13	.04		T.	T.		.20	.49						1.31
Selinsgrove	Lower Susq	T.	.02											.01						.06	.01		T.	T.		.04	.72	.01					0.87
Shawmont	Schuylkill	.25	.29				.01							.02						.30	.15		T.	.17		.20	.35						1.74
Shippensburg	Lower Susq	.04	T.		T.	T.	.03	T.	T.					T.							.01			T.		.15	.42						0.65
Snow Hill‡‡	Upper Del				.20																.15						*	.90					1.25
State College	W. Br. Susq	T.	T.		.02	.02		T.					T.	T.						.21	T.		.09	.01	T	.18	.72						1.25
Stroudsburg‖‖	Upper Del	.05	.20	.02	.02			T.	T.					.02		T.					.20			.02			.45	.32					1.30
Sunbury	Lower Susq		.02	T.										.01						.11	T.						.48	.47					1.09
Towanda	N. Br. Susq	T.	T.	T.	.06			.01	T.					.03		T.				.08	T.		T.	T.	T.	.11	.55	T.					0.84
Weikert	Lower Susq	.08							.07							.06					.06					.15	.45						0.87
Wellsboro	W. Br. Susq				.08			.02					.02							.10				T.		.16	.60						0.98
West Chester	Lower Del	.50	.50											.05						.50	.40		T.			*	.60						2.55
Westgrove‖‖	....do		.88				.07							.03							.87			.18			.42	.26					2.71
Wilkes-Barre‖‖	N. Br. Susq		.10		.14	T.			T.					.03													.38	.32					0.97
Williamsport‖‖	W. Br. Susq		T.			T.		.02	T.					T							.08			T.			.45	.34					0.89
Williamstown	Susquehanna	.05	.15					T.						.10						.08	.08			T.		.11	.55						1.12
York	Lower Susq	.23	.09				.04													.20	.11					.17	.52						1.36
York Haven‖‖	Lower Susq		.18																		.18						.26	.08					0.70
Zionsville..(near)	Schuylkill	.42	.27																	.31	.46					.30	.95	.12					2.83
Trenton, N. J***	Lower Del	.66			T.	T.		T.					.01	.03						.55	.22		.11	T.		.25	.38						2.21

Continued on page 9.

Daily Precipitation for February, 1934—Continued from page 8

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio			T.										.14	T.					.15	.05					.05	.65	.05					1.09
Beaver Falls‖‖	Beaver	T.	T.	T.	T.	T.	.01	T.						.15	T.					.06	.10			.03	.02	.02	.50	.10					0.99
Brookville	Allegheny													.32	T.						.12			.08	.12		.44	.12					1.20
Butler	Ohio													.25						.20						.10	.65						1.20
Chambersville	Allegheny		T.		T	.01	.05						.02	.16						.17	.02		.05	.06		.04	.18	.02					0.[illegible]
Clairton‡	Monongahela	T.	.03		.01			.03					.08	.03						.10			.03			.25	.20						0.[illegible]
Claysville	Ohio	T.	.02				T.					T.	.03	.08						.16			.06	T.	T.	.18	.38	T.					0.91
Clymer‡‡	Conemaugh				.12									.11					.17			.04		.05		.26							0.[illegible]5
Confluence‖‖	Youghiogheny					.04			.08				.08	.41	.07						.08			.10	.04	.08	.45	.12					1.5[illegible]
Corry	Allegheny	.12			.01	.03		.07					.03	.26						.31			.08	.04		.06	.24	.05					1.30
Coudersport	Allegheny	.02			.02		.03						.06							.09			.05	.01		.16	.34						0.78
Derry	Conemaugh		T.	T.		T.	.10	T					.05	.16						.14	.03		.06	.02		.16	.30	T.					1.02
Donora‖‖	Monongahela		T.	T	T.		.01	T.	T.				T.	.03	T.					.10	.05			.28	T.	.02	.66	T.					1.15
Ebensburg	Conemaugh				.09		T.	T.	T.				T.	.20						.04			T.	.16	.05	.35	.40						1.29
Elk Lick	Youghiogheny		.20			.20			.20			.10	.30	.70							.20			.20	.20	.40	.40	.10					3.[illegible]0
Franklin‖‖	Allegheny	.05						.04						.24						.09	.04			.04	T.		.49	.07					1.[illegible]
Greensboro	Monongahela		T.	.02		T.	.01		.02				.12	.13	T.					.01	.03			.11	T.	.08	.62	.06					1.21
Greensburg	Youghiogheny	T.	.02		T.		.07	T.	.01				.09	.16						.18			T.	.08	.05	.24	.72						1.62
Greenville	Beaver	.07	.04			.04		.01					.10	.16						.25			T.	.08	.03	.18	.24	.02					1.22
Grove City	...do																																
Herrs Isl. Dam‖‖	Ohio			T.	T.	T.	T.							.08	T.					.05	.05			.06	T.	.01	.65	.05					0.95
Irwin	Monongahela	T.	T.				T.						T.	.02						.12	T.		.04	T.		.16	.24	T.					0.58
Johnstown	Conemaugh	T.	T.		T.	.05	.05	.04					.08	.22						.03	.01		.03	.10	.02	.26	.37	.03					1.29
Kane (near) ‡‡	Allegheny		.08		.03	T.		.30					.08	.30						.14			.02	.09		.16	.32						1.52
Kregar‖‖	Youghiogheny	.01	.03		.03	.07		.03					.25	.01						.10			.09	.02	.02	.22	.16	T.					1.04
Lake Lynn‖‖	Monongahela			.02		.03	.03						.12	.13							.08			.09		.08	.48	.20					1.26
Linesville‖‖	Beaver	.06	.02		T			.04						.25						.18	.03		T.	.08	.01		.07	.05					0.[illegible]9
Lock No 2‖‖	Ohio							T.						.12						.04						.04	.45						0.67
Lock No. 4‖‖	Monongahela		.02	T.			.01		.01				T.	.08						.08	.04			.06	.01	.03	.45	.06					0.85
Lock No. 5‡‡‖‖	Allegheny			T.	T.		T.	T.						.32	.04					.08	.05			.06	.02	.01	.32	.10					1.00
Lycippus	Conemaugh			T.	T.								T.	.14						.17			.09	.10		.19	.60						1.29
McKeesport‖‖	Monongahela			T.										T.						.01	T			T.	T.		1.23	.03					1.27
Meadville	Allegheny	.10						.08					.06	.17						.35	.04		T.			.10	.25	T.					1.15
Mosgrove	...do			T.	.06	T.	.08							.20						.16				.09	.02		.24	.16					1.01
Mount Lebanon	Ohio	T.	T.		T.	T.		T.					.10	.03						.18			.02	.01	T.	.24	.45						1.03
Natrona‖‖	Allegheny		T.	T.			.01	.01	T					.31	.01					.07	.13			.07	T.	.02	.46	.10					1.19
New Castle‖‖	Beaver	T.	T.	.01	T.	T.	.05	.03	.02	T.				.22	.02		T.			.08	.02			.05	.02	T.	.55	.12					1.19
Newell	Monongahela												T.			.02	.02			.20			.07				.80						1.11
Parkers Landing‖‖	Allegheny																																
Pennline‖‖‡‡	Beaver		.02					.03						.18	T					.07	T.				.16		.20	.03					0.69
Pittsburgh***	Ohio	T.	.01		T.	T.		T.					.09	.01						.09	T.		.04	T.	T.	.32	.29						0.85
Punxsutawney‖‖	Allegheny						.16	.08						.16						.08	.12					.04	.28	.12	.12				1.16
Ridgway	...do	.04	.01		.03	.02	T.	.04						.07						.03	.05			.01	.02		.38	.07					0.77
Saltsburg‖‖	Conemaugh						.03							.20	.02					.06	.11			.03		.04	.40	.05					0.94
Sharon‖‖	Beaver						.02	T.	T.					.14	T.					.07	T.			.02	.05		.28	T					0.58
Smethport	Allegheny																																
Somerset	Youghiogheny	T.			.02		.02		.03				.03	.37						.02	T.		.03	.03		.14	.31	.03					1.03
Springdale‖‖	Allegheny		T.	.01	.01		.01							.51						.05	.15			.07		.03	.46	.12					1.42
Uniontown	Monongahela	T.	T.		T.		.05		.04			.02	.06	.17						.18	T		.10	.02		.17	.35						1.1[illegible]
Unity Reservoir‡‡	Youghiogheny		T.		T.		.10	T.					.08	.35						.25			T.	.18	T.	.25	.50						1.71
Vandergrift‡	Conemaugh					.40							.11	.01						.04			.02			.32	.11						1.01
Warren	Allegheny	.18			.05			.12						.15						.15			.12		.04	.15	.51						1.47
Waynesburg	Monongahela		T.					T.					.10	.20						.17			.07			.22	.25						1.01
Westford‖‖	Beaver		.04	.02	.02			.08	.04	.02	.02			.08	.07	.06	.04	.04		.08	.07	.04	.03	.08	.10	.07	.24	.23	.20				1.67
West Newton‖‖	Youghiogheny						.04		.01					.12	.04					.07	.09			.07		.04	.45	.06					0.99
Lake Drainage.																																	
Erie***	Lake Erie	.01	T.		.02		.06	T.					.11	.03		T.			.06	.31			.08	.02		.13	.18						1.01

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.23	31.04	9	29.31	12	12.3	31	w.	23	78	73	75	65
Harrisburg	30.19	30.91	28	29.25	13	9.2	30	nw.	13	58	38	48	63
Philadelphia	30.19	30.95	28	29.25	13	13.5	32	nw.	13	57	52	52	60
Pittsburgh	30.23	30.97	9	29.37	12	10.2	34	nw.	12	79	65	62	42
Reading	30.20	30.93	28	29.27	13	12.7	44	nw.	23	64	53	60	59
Scranton	30.20	30.93	10	29.16	13	7.8	27	nw.	23	76	60	61	56

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware						18
Phillipsburg	Delaware						22
Mauch Chunk	Lehigh						17
Wilkes-Barre	Susquehanna	3.5	6.4	2	2.0	27	20
Williamsport	Susquehanna						20
Harrisburg	Susquehanna						17
Greensboro	Monongahela	11.8	12.7	1	11.3	13	30
West Newton	Youghiogheny	2.7	5.0	8	1.5	28	20
Lock No. 4	Monongahela	11.9	13.2	2	11.0	13	30
Pittsburgh	Ohio	11.0	12.4	2	10.2	28	25
Beaver Dam	Ohio	5.5	9.0	2	3.4	13	30

Daily Temperatures for February, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	32	21	24	30	26	22	31	13	8	24	35	34	29	20	49	20	28	39	35	23	32	44	26	24	17	21	17	23	....	....	....	26.7
	Minimum	4	14	6	4	16	8	6	3	−12	−11	3	8	20	2	3	10	4	6	9	11	8	30	24	6	7	10	4	−10	....	....	....	6.2
Altoona	Maximum	35	31	28	33	28	25	28	23	12	25	34	34	33	30	46	35	30	40	39	19	48	43	35	15	14	23	16	24	....	....	....	29.5
	Minimum	25	10	−1	15	17	1	10	−2	−20	−10	6	25	9	−4	15	8	−4	7	18	−7	8	28	10	−3	6	9	−6	−11	....	....	....	5.7
Bedford	Maximum	37	33	29	32	32	32	32	30	13	32	41	37	36	32	50	30	38	48	47	23	39	47	38	17	16	19	18	33	....	....	....	32.9
	Minimum	28	10	6	18	25	15	16	7	−12	−7	6	26	13	−3	15	10	−2	4	22	0	3	22	13	3	11	12	1	−20	....	....	....	8.6
Bellefonte	Maximum	36	23	27	32	25	21	29	15	11	28	38	35	32	28	50	20	32	41	34	20	43	42	32	16	15	20	13	22	....	....	....	27.9
	Minimum	23	9	1	22	14	6	15	−9	−17	−9	6	23	2	−4	18	3	−8	3	10	−2	−2	24	4	0	4	5	−15	−31	....	....	....	3.3
Brookville	Maximum	36	29	20	28	30	38	34	27	7	10	27	36	33	28	46	34	33	42	53	32	28	38	35	40	17	20	24	33	....	....	....	30.5
	Minimum	2	−5	−10	−6	16	14	8	−9	−24	−17	−4	10	9	−22	4	−2	−11	−4	0	−16	−5	4	7	−7	1	8	−26	−30	....	....	....	−4.1
Butler	Maximum	30	30	20	32	30	25	20	20	7	28	33	31	31	31	41	40	31	51	49	16	41	37	32	17	17	19	17	26	....	....	....	28.6
	Minimum	26	11	−5	15	19	1	19	−3	−17	−11	9	15	11	−18	16	5	−4	4	14	−8	−7	25	8	−1	8	12	−9	−24	....	....	....	4.0
Carlisle	Maximum	36	32	31	38	35	29	37	34	15	32	34	42	40	30	55	50	31	43	36	31	46	50	44	21	17	27	23	26	....	....	....	34.6
	Minimum	28	15	5	14	25	12	13	10	−13	−2	3	22	20	0	11	13	−2	2	24	8	11	26	21	6	13	13	2	18	....	....	....	10.1
Catawissa	Maximum	38	35	29	32	30	26	34	29	12	28	41	41	36	26	49	40	31	45	34	29	42	48	39	20	19	38	18	27	....	....	....	32.7
	Minimum	23	10	2	12	12	6	10	0	−14	−7	7	23	12	−2	16	−8	−1	6	24	9	−1	24	14	4	10	14	4	−23	....	....	....	6.6
Chambersburg	Maximum	35	35	32	43	38	30	37	31	16	30	39	42	37	31	59	45	35	43	37	27	45	51	42	22	19	29	21	25	....	....	....	34.9
	Minimum	28	15	10	15	26	14	17	13	−9	−1	8	22	16	4	16	16	5	7	26	7	10	25	18	7	14	13	2	−11	....	....	....	11.9
Chambersville	Maximum	37	32	25	35	26	24	26	22	7	31	33	34	31	28	45	37	35	53	53	18	42	40	35	14	18	23	15	32	....	....	....	30.4
	Minimum	27	9	−4	16	20	2	14	−3	−19	−12	8	25	9	−15	22	5	0	15	16	−10	−7	22	7	−3	5	11	−8	−20	....	....	....	4.7
Claysville	Maximum	38	32	31	37	31	29	30	27	15	39	35	36	32	39	48	36	41	54	50	22	46	41	34	16	22	22	16	32	....	....	....	33.2
	Minimum	31	14	−1	21	24	7	20	6	−13	−3	15	28	16	−7	29	10	1	17	15	−5	3	34	12	1	12	11	−7	−10	....	....	....	10.0
Clearfield	Maximum	32	32	28	32	26	24	28	22	14	30	36	35	31	27	47	33	38	49	39	32	44	40	35	24	16	25	15	32	....	....	....	30.9
	Minimum	27	9	−3	12	13	20	14	−3	−18	−12	2	25	12	−9	13	6	−4	9	20	−6	−1	5	0	−2	6	11	−7	−22	....	....	....	4.2
Coatesville	Maximum	32	32	22	30	32	23	34	29	9	22	35	36	34	22	44	39	26	36	36	31	36	47	35	21	17	25	18	28	....	....	....	29.7
	Minimum	23	17	5	4	16	11	3	0	−14	−1	4	22	14	3	14	12	6	9	23	10	6	21	14	6	10	14	2	−4	....	....	....	8.9
Corry	Maximum	30	20	26	26	25	25	20	11	5	30	30	30	30	27	33	20	29	46	42	15	38	35	29	13	18	15	12	28	....	....	....	25.3
	Minimum	18	4	−15	17	8	0	11	−18	−30	−22	10	17	−1	−15	16	−9	−18	7	7	−21	−8	25	−1	−11	2	7	−8	−16	....	....	....	−1.6
Coudersport	Maximum	30	28	18	24	24	17	19	16	5	24	33	32	28	19	39	27	28	44	40	20	36	38	32	10	12	13	11	27	....	....	....	24.8
	Minimum	0	−1	−8	10	6	−8	10	−19	−29	−23	2	20	5	−17	11	0	−15	0	19	−8	−13	23	7	−6	8	−5	−12	−30	....	....	....	−2.6
Emporium	Maximum	34	27	25	29	27	22	24	20	10	28	37	34	33	26	42	25	32	48	40	18	41	41	34	13	15	18	12	29	....	....	....	28.0
	Minimum	25	10	−4	18	15	1	18	−10	−21	−15	1	25	6	−3	12	5	−8	3	14	−3	−6	25	5	−2	3	11	−12	−28	....	....	....	3.0
Erie	Maximum	32	15	24	30	22	23	23	4	−2	29	30	33	21	34	37	13	31	48	30	10	37	34	17	9	14	14	7	29	....	....	....	23.1
	Minimum	13	9	1	21	11	11	4	−13	−13	−9	21	21	4	0	8	5	0	21	−1	−8	9	17	2	−2	5	2	−3	0	....	....	....	4.9
Franklin	Maximum	31	18	29	29	27	27	23	8	9	32	37	32	18	35	38	28	39	50	21	16	38	37	16	16	19	17	13	30	....	....	....	26.2
	Minimum	12	8	−7	−5	16	1	5	−9	−21	−18	−12	18	12	−13	−12	−7	−7	−6	3	−10	−10	−6	4	−4	−5	9	−16	−23	....	....	....	−3.7
Freeland	Maximum	29	27	18	24	20	17	28	12	−7	21	32	33	29	22	43	31	29	41	31	25	39	46	35	14	12	17	10	30	....	....	....	25.3
	Minimum	16	3	−3	7	7	−3	4	−8	−24	−12	9	19	4	−7	11	−1	0	12	19	0	2	22	10	−5	0	7	−6	−6	....	....	....	2.8
Gettysburg	Maximum	35	35	29	38	40	32	38	34	17	31	37	36	39	32	55	49	32	42	36	32	40	48	42	26	22	26	25	24	....	....	....	34.7
	Minimum	26	17	6	12	28	15	14	14	−10	2	11	22	20	4	15	12	8	7	26	8	8	23	21	7	14	14	2	−13	....	....	....	11.9
Greensburg	Maximum	38	31	28	39	45	25	31	26	9	37	35	37	32	33	46	34	40	54	47	18	44	42	33	14	21	21	13	34	....	....	....	32.4
	Minimum	30	11	1	21	23	8	19	2	−14	−6	16	27	10	−6	20	10	5	16	15	−5	1	28	11	2	11	13	−6	−15	....	....	....	8.9
Grove City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Hamburg	Maximum	34	34	24	30	32	32	33	32	11	28	33	36	34	24	50	47	35	39	38	32	36	44	39	26	22	20	19	32	....	....	....	32.0
	Minimum	24	14	4	4	14	4	12	5	−13	1	3	18	20	3	10	8	0	6	15	11	10	22	20	6	12	8	4	−8	....	....	....	8.5
Harrisburg	Maximum	36	32	28	38	31	25	35	25	12	29	39	37	36	29	52	28	32	41	35	24	37	44	38	20	18	23	16	23	....	....	....	30.8
	Minimum	30	17	9	18	22	14	19	−3	−11	3	13	27	10	5	19	13	6	12	19	8	13	26	11	7	14	13	4	−1	....	....	....	12.0
Hawley	Maximum	31	29	15	24	24	17	25	20	0	20	32	36	31	17	42	35	27	43	37	30	39	45	42	15	15	20	16	31	....	....	....	27.1
	Minimum	20	8	−7	−5	9	−10	−6	−6	−21	−13	−7	4	8	−6	1	−1	−9	−1	19	2	−9	20	14	0	0	9	−1	−25	....	....	....	−0.5
Huntingdon	Maximum	39	34	32	36	32	28	32	28	16	32	42	41	37	32	53	47	37	48	35	23	48	45	36	20	17	28	19	32	....	....	....	33.9
	Minimum	29	13	4	16	24	12	12	4	−12	−8	6	22	13	7	15	11	−5	1	22	2	−2	25	12	4	9	14	−1	−22	....	....	....	8.1
Johnstown	Maximum	38	31	30	36	30	27	29	23	13	32	39	35	33	32	49	35	40	54	41	21	50	43	35	16	18	26	16	35	....	....	....	32.4
	Minimum	30	14	5	24	20	14	14	5	−12	−6	11	30	9	−3	21	14	4	12	13	−1	7	30	11	3	12	11	0	−13	....	....	....	10.0
Lancaster	Maximum	37	32	27	32	35	32	40	35	20	31	40	41	43	31	49	45	35	40	40	41	41	47	42	30	28	25	27	30	....	....	....	35.6
	Minimum	25	13	−6	−4	12	13	2	11	−12	−1	2	21	23	2	14	14	4	7	25	10	14	20	23	7	13	15	2	−18	....	....	....	9.0
Lawrenceville	Maximum	35	35	27	26	24	23	25	20	5	30	39	41	35	25	43	24	35	49	42	20	45	43	36	14	20	15	15	31	....	....	....	29.4
	Minimum	21	5	0	11	5	−5	7	−11	−26	−20	7	10	7	−7	18	2	−11	3	18	−3	−12	25	11	−3	−3	10	−6	−34	....	....	....	0.7
Lebanon	Maximum	35	25	29	34	31	26	35	15	12	29	39	35	27	28	52	25	30	41	37	25	39	44	26	24	18	24	16	27	....	....	....	29.6
	Minimum	12	16	5	9	19	11	12	10	−12	−11	5	9	24	1	7	11	4	7	11	10	6	14	24	6	7	13	1	−11	....	....	....	7.9
Marcus Hook	Maximum	35	33	32	32	32	35	35	35	15	38	37	38	37	40	40	39	35	38	36	36	44	45	44	29	24	27	25	34	....	....	....	34.6
	Minimum	20	8	11	22	13	13	9	12	−12	11	25	26	5	17	15	18	25	25	14	13	22	25	10	14	16	6	3	14	....	....	....	14.3
Mifflin	Maximum	38	35	32	38	37	29	35	33	18	34	45	42	40	34	54	54	36	46	46	31	46	45	43	23	20	25	23	29	....	....	....	36.1
	Minimum	22	14	7	15	24	12	12	6	−12	−2	3	22	20	2	14	12	−3	1	24	4	4	22	19	5	10	14	1	−17	....	....	....	9.1
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Muncy Valley	Maximum	34	30	26	29	27	22	30	23	6	26	35	35	32	21	39	34	30	32	28	21	34	43	36	18	17	17	17	23	....	....	....	27.3
	Minimum	20	6	0	9	7	1	8	−7	−20	−9	4	14	13	−11	13	2	−7	0	2	−1	−8	17	13	−1	−1	11	−12	−23	....	....	....	1.4
Philadelphia	Maximum	37	34	24	31	31	24	36	27	10	25	32	39	35	23	42	32	30	38	37	27	34	47	39	23	20	24	19	23	....	....	....	30.1
	Minimum	31	18	9	17	21	14	15	−2	−11	3	13	28	12	7	23	15	13	23	20	14	14	28	14	11	15	16	10	9	....	....	....	14.3
Pittsburgh	Maximum	37	22	28	36	29	26	28	15	9	34	34	33	28	32	43	26	37	53	44	20	42	40	25	15	22	19	12	28	....	....	....	29.2
	Minimum	19	15	8	27	18	12	15	−7	−11	−1	24	28	8	5	18	12	11	21	5	−2	13	25	8	3	13	4	−3	−1	....	....	....	10.2
Quakertown	Maximum	32	31	20	24	28	22	32	30	6	23	36	36	34	19	46	42	26	35	37	32	34	43	39	22	17	21	20	24	....	....	....	29.0
	Minimum	21	19	4	−5	12	−5	5	3	−16	−7	1	14	18	1	8	10	2	3	20	11	8	12	21	5	3	12	3	−20	....	....	....	5.8
Reading	Maximum	36	34	25	32	29	23	35	24	10	28	38	37	35	26	49	26	32	44	39	26	40	47	38	20	19	22	16	25	....	....	....	30.5
	Minimum	28	16	8	15	20	13	14	−4	−11	2	14	28	10	5	15	14	9	13	18	12	13	27	11	8	12	14	4	3	....	....	....	11.8
Ridgway	Maximum	32	20	29	27	27	25	23	8	14	32	27	31	13	24	41	24	6	32	36	19	35	38	20	14	18	16	14	28	....	....	....	24.0
	Minimum	5	−14	−13	−13	−5	−1	−17	−27	−24	−20	0	2	−13	−7	−7	4	−7	−6	−11	−13	−13	−4	−6	−4	−4	−23	−29	−24	....	....	....	−10.5
Scranton	Maximum	35	26	19	28	23	16	27	10	0	20	35	36	32	20	42	19	29	45	35	16	39	48	35	14	18	20	12	25	....	....	....	29.9
	Minimum	26	6	2	8	11	2	9	−15	−19	−9	7	15	3	0	15	2	3	11	10	3	4	28	5	2	5	9	3	−6	....	....	....	5.0
Selinsgrove	Maximum	37	35	37	36	37	28	36	31	11	28	44	42	40	29	50	41	32	42	40	32	40	47	46	23	19	22	22	25	....	....	....	34.0
	Minimum	25	13	4	7	16	8	14	0	−13	−3	8	19	20	−2	17	8	−1	1	24	7	1	24	17	4	9	13	0	−21	....	....	....	7.8
Somerset	Maximum	35	27	29	32	30	25	27	23	6	25	31	29	29	29	42	32	37	50	40	14	43	42	32	9	14	16	10	33	....	....	....	28.2
	Minimum	27	9	−11	17	19	12	13	2	−20	−17	−1	24	6	−19	14	10	−6	4	12	−7	0	22	6	−3	2	2	−7	−29	....	....	....	2.9
State College	Maximum	47	33	29	34	28	24	29	22	12	28	40	36	37	29	49	40	35	45	40	26	43	44	36	17	17	21	17	28	....	....	....	31.6
	Minimum	25	8	0	16	17	7	14	−3	−17	−7	10	23	6	−3	22	5	−3	7	18	−4	4	25	5	−2	7	11	−8	−13	....	....	....	6.1
Stroudsburg	Maximum	32	21	22	28	28	22	33	7	5	31	38	35	27	22	50	22	30	40	34	21	39	43	26	20	15	21	17	26	....	....	....	27.0
	Minimum	4	11	−2	−1	11	2	−1	0	−16	−14	−1	10	13	0	1	6	−3	−1	5	7	3	5	20	4	5	10	3	−18	....	....	....	2.2
Towanda	Maximum	36	33	25	29	23	21	28	13	2	23	36	39	33	24	44	21	32	47	37	15	39	45	35	16	18	15	16	24	....	....	....	27.5
	Minimum	26	8	3	10	11	3	4	−12	−19	−13	4	7	4	−3	11	1	−7	3	15	2	−9	27	7	1	−1	9	−2	−27	....	....	....	2.2
Uniontown	Maximum	39	32	32	42	34	29	33	28	10	38	35	32	31	34	53	36	40	56	44	20	46	40	34	17	22	23	17	34	....	....	....	33.2
	Minimum	32	15	6	20	25	10	17	7	−12	−3	15	28	15	−13	20	14	6	13	17	−3	2	30	14	5	14	13	−8	−16	....	....	....	10.1
Vandergrift	Maximum	39	20	28	39	28	27	30	17	8	34	37	37	32	31	47	25	38	55	38	18	43	41	27	17	22	22	16	31	....	....	....	30.2
	Minimum	19	14	3	26	19	17	15	−6	−14	−5	13	30	0	−8	17	9	2	10	8	9	0	25	6	4	11	4	−10	−17	....	....	....	7.2
Warren	Maximum	29	23	26	26	25	24	23	8	−4	20	30	34	21	24	34	20	22	45	44	19	30	36	26	12	18	18	15	29	....	....	....	24.2
	Minimum	20	8	−8	18	13	−1	8	−16	−27	−15	10	21	12	−6	16	8	−6	18	10	−8	−3	26	8	−3	0	10	−8	−17	....	....	....	3.1
Waynesburg	Maximum	40	32	30	39	35	29	32	28	16	37	35	32	33	36	49	35	41	53	49	23	47	44	34	19	26	25	19	33	....	....	....	34.0
	Minimum	31	15	2	28	29	26	23	7	−10	−2	14	21	16	−2	25	13	6	15	16	−1	8	28	13	4	12	6	−5	−13	....	....	....	11.6
Wellsboro	Maximum	34	28	27	27	22	22	24	15	19	34	38	39	32	20	45	22	38	45	35	30	43	40	33	14	16	14	14	31	....	....	....	28.6
	Minimum	27	1	−2	10	7	−4	8	−12	−24	−17	4	18	2	−9	12	−1	−12	0	15	5	−9	22	2	−5	−1	7	−10	−30	....	....	....	−0.2
Williamsport	Maximum	37	34	27	32	29	26	30	22	12	27	40	38	30	25	45	35	30	42	35	27	40	43	39	20	16	19	18	21	....	....	....	30.0
	Minimum	26	12	5	17	16	7	15	−2	−14	−3	7	27	15	1	19	7	−2	4	27	8	0	27	17	3	9	13	−1	−18	....	....	....	8.6
Williamstown	Maximum	32	31	25	30	30	25	30	30	12	28	35	36	32	24	48	47	33	40	40	30	40	44	40	19	20	20	19	25	....	....	....	30.9
	Minimum	20	10	2	11	15	5	20	−1	−18	−5	12	24	16	−2	15	5	4	15	21	4	8	24	15	0	7	8	−3	−2	....	....	....	8.2
York	Maximum	36	34	25	33	35	33	36	32	14	29	42	47	36	31	50	43	31	45	36	32	41	48	40	25	20	24	21	30	....	....	....	33.9
	Minimum	27	11	−6	3	24	15	5	12	−10	0	6	20	22	1	16	16	2	6	28	9	−4	23	22	8	15	15	−4	−17	....	....	....	9.5

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

ol. XXXIX. March, 1934. No. 3.

GENERAL SUMMARY.

March weather was moderately cold, and very changeable. larch has averaged somewhat colder about one year in three, lthough the actual minimum of 22 degrees below zero has been xceeded only twice during the last 46 years. The intense cold hat prevailed all during the month of February ended with larch 1st, and the next few days were so mild that many perons believed that spring had actually arrived. Most of the now disappeared, and the ice broke up in the rivers. Ice jams aused floods in some places. A jam in the Delaware, near renton, caused a stage of 14.2 feet on the 5th, it being the ighest attained at that station since 1904. Dense fogs occurred n nearly all parts of the State during this period. The temperaure fell steadily on the 7th and 8th, and a four-day cold period ollowed. The next four days of seasonable weather were folowed by two mild days and then a cold wave. Extremes folowed one another in rapid succession. The coldest period for he month occurred generally on the 23d and 24th. Precipitaon was generally below the normal, although the snowfall just qualled the March average. The snowfall was unusually heavy n the southeastern counties, and unusually light in the central ounties. The heaviest rains occurred generally during the last eek, and were mixed with sleet in many sections. During the onth many unfavorable reports were received regarding the ondition of orchard fruits and of the winter grains. The greater ortion of the grain fields was snow covered during the most evere cold, but the lesser portion was insufficiently protected y reason of gales of wind which removed too much of the snow over. At the end of the month the grains were rated the lowest or many years. It was generally claimed that the intense cold ad ruined the peach crop, that the buds had all turned black, nd that apples and pears had suffered extensive damage. Flosts reported extensive damage, especially to roses, which were ompletely winter killed in some regions. The wind movement r the month was fairly large, but conditions were not so blusery as in March a year ago. However, taken as a whole, it was thoroughly disagreeable month, in which outdoor work made ttle progress,

TEMPERATURE.

The mean temperature for the State, as deduced from the obrvations at 90 stations, was 34.9°, which is 2.8° below the noral for March. The highest monthly mean was 42.2°, at Marcus Hook, and the lowest 25.7° at Gouldsboro. Extremes for the month ranged from a maximum of 78° at Lancaster on the 18th to a minimum of —22° at Franklin on the 1st. The greatest daily range in temperature was 70° at Brookville on the 19th.

PRECIPITATION.

The average precipitation for the State, as deduced from the reports taken at 144 well-distributed stations, was 2.96 inches, which is 0.48 inch less than the monthly normal. The greatest monthly amount was 5.31 inches at Coatesville, while the least amount, 1.13 inches, was reported from Lakeville. The greatest amount recorded in any 24 consecutive hours was 2.75 inches at Gouldsboro on the 27th. Snowfall for the month averaged 7.7 inches, which amount is normal for the month of March. The greatest monthly amount of snow was 17.5 inches at Confluence. The greatest 24-hour snowfall was 8.0 inches at Parkers Landing on the 10th.

COMPARATIVE DATA FOR MARCH

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888........	31.2	−6.5	72	−6	3.55	+0.11	6.39	1.70	9.9	11	6	10	15
1889........	39.0	+1.3	76	4	2.90	−0.54	5.44	1.44	3.1	9	10	8	13
1890........	33.2	−4.5	76	−21	5.15	+1.71	8.31	2.90	17.5	16	6	10	15
1891........	33.8	−3.9	60	−14	5.10	+1.66	8.39	2.44	15.8	14	7	8	16
1892........	31.8	−5.9	66	−4	4.14	+0.70	6.61	2.04	18.8	12	11	7	13
1893........	34.8	−2.9	74	3	2.52	−0.92	5.09	0.71	4.8	11	9	9	13
1894........	43.2	+5.5	84	−2	1.63	−1.81	2.90	0.24	1.3	8	12	11	8
1895........	33.8	−3.9	70	−4	2.31	−1.13	4.03	0.99	9.0	11	10	10	11
1896........	30.6	−7.1	69	−18	4.51	+1.07	7.98	1.77	21.1	11	11	8	12
1897........	39.0	+1.3	75	−5	3.22	−0.22	5.86	1.01	3.4	13	11	7	13
1898........	44.0	+6.3	83	4	4.31	+0.87	8.40	2.06	3.6	12	10	8	13
1899........	36.3	−1.4	75	3	4.87	+1.43	10.30	1.91	7.9	14	5	9	17
1900........	31.2	−6.5	66	−23	3.61	+0.17	7.31	2.25	13.1	10	10	9	12
1901........	37.4	−0.3	80	−11	4.14	+0.70	7.21	1.52	3.3	13	7	10	14
1902........	41.3	+3.6	78	2	3.98	+0.54	7.50	0.77	12.6	11	10	9	12
1903........	46.4	+8.7	83	14	4.52	+1.08	5.81	2.82	0.1	11	10	7	14
1904........	36.0	−1.7	80	−2	4.29	+0.85	7.02	2.10	4.7	12	9	8	14
1905........	39.0	+1.3	86	−18	3.86	+0.42	6.57	1.40	4.1	11	12	8	11
1906........	31.7	−6.0	68	−13	4.46	+1.02	7.37	2.76	20.4	14	8	7	16
1907........	41.8	+4.1	92	−10	4.26	+0.82	8.20	1.08	9.3	12	11	8	12
1908........	40.7	+3.0	83	−4	4.76	+1.32	10.00	1.58	3.7	12	11	8	12
1909........	35.6	−2.1	74	−5	3.07	−0.37	4.90	1.33	7.3	12	10	9	12
1910........	44.9	+7.2	88	5	0.56	−2.88	1.33	0.00	1.0	5	15	10	6
1911........	35.0	−2.7	73	−18	2.57	−0.87	4.75	1.15	10.1	13	11	8	12
1912........	33.6	−4.1	72	−8	5.05	+1.61	9.71	1.80	6.9	13	10	8	13
1913........	42.1	+4.4	81	−7	5.27	+1.83	9.08	2.75	2.1	13	9	8	14
1914........	34.2	−3.5	79	−12	2.61	−0.83	5.05	0.88	13.4	10	10	8	13
1915........	32.9	−4.8	62	−4	1.28	−2.16	2.80	0.57	9.5	7	15	8	8
1916........	30.7	−7.0	84	−31	4.12	+0.68	8.84	2.20	17.6	12	12	8	11
1917........	37.3	−0.4	84	−12	3.68	+0.24	6.06	1.43	12.7	14	11	8	12
1918........	41.6	+3.9	82	0	2.34	−1.10	4.98	0.87	1.5	8	17	7	7
1919........	41.1	+3.4	79	6	3.57	+0.13.	6.99	1.29	2.4	10	15	7	9
1920........	38.7	+1.0	80	−11	2.83	−0.61	9.70	1.06	6.4	9	16	7	8
1921........	48.0	+10.3	88	7	3.33	−0.11	6.15	1.05	1.0	14	12	9	10
1922........	40.0	+2.3	81	−5	4.37	+0.93	6.65	2.30	6.1	14	11	6	14
1923........	37.0	−0.7	80	−8	2.49	−0.95	5.21	0.70	6.2	11	13	8	10
1924........	36.1	−1.6	78	3	2.83	−0.61	8.97	0.59	10.3	9	12	9	10
1925........	40.9	+3.2	79	−15	2.56	−0.88	4.13	1.47	2.2	10	14	6	11
1926........	33.1	−4.6	79	−16	1.91	−1.53	3.94	0.58	4.0	10	14	8	9
1927........	42.0	+4.3	82	−6	2.61	−0.83	5.43	0.69	0.7	10	13	7	11
1928.......	37.0	−0.7	82	−3	3.24	−0.20	5.45	1.65	14.5	11	12	9	10
1929........	43.7	+6.0	89	−5	2.69	−0.75	4.50	1.37	4.4	12	12	8	11
1930........	37.9	+0.2	78	−9	3.03	−0.41	5.05	1.04	4.9	10	13	7	11
1931........	36.3	−1.4	69	10	2.96	−0.48	5.72	0.70	6.6	11	8	7	16
1932........	33.4	−4.3	72	−8	4.41	+0.97	7.46	1.63	14.7	11	10	8	13
1933........	36.6	−1.1	79	−7	5.33	+1.89	8.95	2.74	5.6	14	8	7	16
1934........	34.9	−2.8	78	−22	2.96	−0.48	5.31	1.13	7.7	12	12	7	12
Period.....	37.7	....	92	−31	3.44	....	10.30	0.00	7.7	11	11	8	12

W. B. O. Philadelphia 4-27-34-1050

Climatological Data for March, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	33.6	−4.7	67	18	5	1	45	2.60	−0.62	1.04	7.3	10	15	3	13	ne.	John A. Frick.
Altoona	Blair	1,615	47	35.4	−2.4	71	17	−1	1	41	2.64	−0.08	0.57	3.3	13	18	5	8	w.	F. E. Rooney.
Ardmore	Montgomery	350	2	37.2	−5.1	76	18	6	12	50	3.68	+0.15	1.10	12.8	13	....	....	....	......	H. G. Balderston.
Bedford	Bedford	1,060	2	37.4	......	73	17	−3	1	48	2.77	......	0.57	7.0	15	10	4	17	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	32.0	−8.1	67	17	−13	1	49	2.50	−0.92	0.83	5.9	12	9	7	15	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	37.8	−2.8	69	18	10	1	36	3.45	+0.04	1.08	5.3	14	19	1	11	w.	Lehigh University.
Carlisle	Cumberland	467	68	36.6	−1.8	70	17	−5	1	45	3.39	+0.01	1.09	7.0	13	15	2	14	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	36.2	−2.2	69	16	−3	1	45	3.94	+1.05	1.18	6.7	9	16	4	11	......	W. L. Gearhart.
Center Hall	Center	1,272	38	32.8	−3.8	62	30	0	1	40	2.59	−0.46	0.68	11.5	10	15	3	13	......	S. W. Smith.
Chambersburg	Franklin	580	35	37.5	−2.0	69	17	1	1	41	2.72	−0.27	0 70	7.3	15	9	10	12	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	33.7	−4.2	69	29	−6	1	53	2.56	−0.82	0.65	5.0	11	6	14	11	nw.	E. W. Hess.
Coatesville	Chester	380	47	36.4	−3.6	73	18	6	1	41	5.31	+1.23	1.43	11.3	14	16	1	14	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	33.8	−6.3	68	18	−1	12	39	3.48	+0.02	1.16	7.6	16	12	6	13	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	32.6	−2.8	67	17	−10	12	50	3.28	−0.34	0.61	8.0	13	11	8	12	n.	T. B. Lloyd.
Ephrata	Lancaster	380	42	36.8	−3.2	71	18	4	12	39	4.17	+0.78	1.52	7.6	12	13	6	12	ne.	Ira J. Keath.
Freeland	Luzerne	1,970	41	31.4	−1.5	62	18	0	12	43	2.74	−0.83	1.00	12.6	13	10	9	12	se.	Theo. Reichmann.
George School	Bucks	190	28	36.8	−3.9	73	18	3	1	39	2.96	−0.21	0.67	10.0	16	15	1	15	s.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	38.2	−1.9	71	18	2	1	39	3.34	+0.20	0.97	8.6	13	15	3	13	s.	Dr Henry Stewart
Gordon	Schuylkill	840	30	32.2	−4.7	63	17†	−9	12	45	3.86	+0.04	1.14	12.0	13	15	5	11	ne.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	25.7	−4.6	50	27†	−16	12	41	4.65	+1.61	2.75	7.0	8	12	10	9	w.	Gustav Holtz.
Hamburg	Berks	535	41	35.0	−3.4	65	17†	0	12	38	3.79	−0.01	1.10	7.5	13	14	9	8	w.	State Sanatorium.
Hanover	York	600	30	39.2	−3.3	74	18	10	1	41	3.48	+0.42	1.11	7.0	14	14	4	13	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	36.2	−2.7	67	17	10	1	39	3.34	+0.30	1.08	6.5	15	8	11	12	w.	U. S. Weather Bureau.
Hawley	Wayne	900	16	32.2	−3.3	62	4†	−5	1	48	1.94	−0.84	0.91	11.3	11	13	11	7	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	35.9	−6.1	65	18	12	1	30	3.72	+1.06	1.10	10.5	12	13	4	14	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	35.8	−3.1	72	17	−5	1	48	2.41	−0.94	0.84	3.7	11	11	8	12	sw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	38.0	−2.4	76	17	−4	1	50	2.09	−0.90	0.67	4.5	15	12	4	15	......	Horace A. Sheavly.
Kylertown	Clearfield	1,637	3	31.0	......	65	18†	−7	1	38	2.04	......	0.70	5.5	8	16	14	1	s.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	38.0	−1.7	78	18	0	1†	43	4.55	+1.22	1.35	11.0	12	13	4	14	e.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	33.3	−1.5	66	17	−11	12	47	2.50	+0.19	0.85	6.0	10	15	9	7	......	C. P. Darling.
Lebanon	Lebanon	469	50	35.3	−4.1	70	18	4	1†	40	3.19	−0.37	1.10	6.8	12	16	6	9	w.	Lebanon Valley Gas Co.
Lewisburg	Union	450	58	34.3	−2.7	65	30	−3	12	42	3.46	−0.04	0.88	9.5	11	12	7	12	w.	Prof. W. G. Owens.
Lock Haven	Clinton	560	44	35.8	−2.8	67	17†	−2	1†	43	3.26	−0.09	0.66	8.0	13	11	9	11	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	42.2	......	72	17	13	11	44	3.93	......	......	5.5	8	12	7	12	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	33 6	−3.8	68	18	0	1	44	3.87	−0.32	1.42	7.0	12	15	4	12	s.	R. K. Wintermute.
Mifflin	Juniata	445	30	37.2	−2.0	71	17	−5	1	46	2.14	−0.74	0.52	4.3	10	13	6	12	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Silas Jagger.
Mt. Pocono	Monroe	1,720	28	28.5	−3.7	59	4†	−5	12	35	2.19	−1.34	0.36	9.0	12	16	1	14	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	31.6	−4.1	62	17	−11	12	44	3.36	+0.83	0.91	7.5	11	15	8	8	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	35.4	−4.0	74	18	−2	12	46	3.53	+0.76	1.55	10.7	14	14	6	11	e.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	33.9	......	66	18	2	1†	40	2.46	−0.13	1.24	6.3	12	15	5	11	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	39.9	−0.9	71	18	17	23	40	2.92	−0.47	0.77	10.2	14	7	11	13	sw.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	39.5	......	72	18	15	12	41	3.05	......	0.80	10.0	12	7	13	11	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	38.9	−3.4	72	18	14	23	42	2.02	−1.10	0.49	9.9	11	5	10	16	sw.	Commandant, Navy Yard.
Phœnixville	Chester	100	24	38.4	−2.4	75	18	1	1†	45	4.01	+0.70	1.30	9.5	14	12	9	10	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	34.6	−2.7	70	18	0	1	40	4.28	+0.75	1.60	5.8	13	10	9	12	s.	John E. Beuner.
Reading	Berks	514	64	37.2	−2.8	71	18	12	1	44	4.27	+0.75	1.50	10.0	16	9	10	12	n.	U. S. Weather Bureau.
Scranton	Lackawanna	805	40	34.6	−1.1	67	17	7	12	38	2.78	−0.42	0.91	8.7	15	9	9	13	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	35.3	−3.2	66	17†	−6	12	42	4.83	+1.27	1.82	8.2	13	11	9	11	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	38.9	−1.4	75	18	6	12	40	2.92	−0.49	0.90	10.2	14	10	9	12	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	37.7	......	69	17†	0	1	40	3.12	......	0.76	7.2	13	11	6	14	ne.	State Teachers College
State College	Center	1,217	50	34.6	−1.5	67	17	4	12	39	2.70	−0.48	0.64	5.2	12	10	11	10	sw.	C. A. Kern.
Stroudsburg	Monroe	500	20	31.4	−5.4	66	30	−14	1	51	1.74	−1.91	0.74	1.8	9	11	2	18	sw.	State Normal School.
Towanda	Bradford	754	40	32.8	−2.3	64	17	−8	12	45	2.82	+0.26	0.79	5.4	13	9	5	17	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	31.4	−1.6	66	29	−18	12	50	2.78	−0.29	0.84	8.0	10	17	5	9	nw.	George W. Hill.
West Chester	Chester	455	85	37.2	−1.7	71	18	9	1†	40	3.34	−0.56	0.95	12.0	12	11	6	14	w.	Joseph W. Belt.
Williamsport	Lycoming	521	48	35.0	−2.6	67	17	−2	12	41	2.36	−0.84	1.12	8.8	11	15	5	11	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	36.2	−3.3	67	17	7	12	48	2.90	+0.11	1.04	3.0	11	15	8	8	sw.	Susquehanna Collieries Co.
York	York	400	46	37.9	−2.7	73	18	0	1	43	3.32	+0.16	1.13	8.5	12	12	9	10	s.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	35.4	−5.8	71	17†	−2	1	46	2.48	−0.87	1.17	6.0	12	7	7	17	ne.	U. S. Engineer.
Brookville	Jefferson	1,173	44	30.2	−3.6	68	19	−12	1	70	2.59	−0.49	0.70	4.5	7	13	10	8	......	John Fawcett.
Butler	Butler	1,077	21	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	William C. Faust.
Chambersville	Indiana	1,047	4	35.1	−3.9	68	17†	1	1	42	2.97	−0.77	1.07	6.1	13	12	2	17	sw.	John E. Lewis.
Clairton	Allegheny	1,020	2	35.0	......	75	30	4	11	48	2.02	......	0.40	5.2	11	8	11	12	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	37.2	−4.2	72	17†	2	11	46	2.68	−0.65	0.67	8.9	12	13	5	13	n.	J. L. Melvin.
Corry	Erie	1,430	21	30.4	−2.4	67	30	−3	12	51	3.36	+0.02	0.64	11.8	16	11	10	10	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	West Penn. Power Co.
Derry	Westmoreland	1,172	37	37.6	−2.6	71	17†	2	1	45	3.01	−0.87	0.96	6.0	12	15	7	9	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	33.9	−2.6	66	17	6	12	40	2.94	+0.28	0.75	3.5	13	12	11	8	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	32.2	−5.1	65	17	3	11†	44	3.02	−0.24	0.75	13.0	10	16	3	12	w.	J. S. Stevanus.
Franklin	Venango	957	60	29.2	−6.8	71	30	−22	1	61	3.16	−0.27	0.82	9.0	13	12	8	11	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	37.6	−3.3	73	30	7	11	42	3.39	+0.32	0.82	10.8	16	9	8	14	sw.	Westmoreland Water Co.
Greenville	Mercer	950	38	32.8	−3.9	72	30	−2	11	42	2.22	−1.28	0.40	6.1	12	14	6	11	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	33.8	−3.8	66	17	4	11	44	3.29	+0.13	0.56	10.1	13	9	8	14	sw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	37.6	−1.8	71	17	5	1	42	3.43	−0.60	0.74	5.3	15	12	6	13	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	2	29.2	......	61	17†	−2	12	55	3.79	......	1.12	8.0	12	10	7	14	sw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	42	36.8	−3.1	69	17†	7	11	44	5.19	+1.46	1.30	9.2	11	2	15	14	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	32.8	−2.1	69	30	3	11	46	2.52	−0.78	0.40	5.8	11	12	5	14	s.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	35.0	......	70	17†	0	11	43	2.44	......	0.71	9.0	11	10	3	18	sw.	Fred Hoffman.
New Castle	Lawrence	808	54	30.3	−6.8	71	31	−19	1	48	2.97	+0.06	1.05	5.7	15	6	20	5	n.	New Castle Water Co.
Newell	Fayette	800	14	35.8	−7.2	71	31	−4	1	41	1.32	−1.79	0.61	1.7	10	10	11	10	w.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	36.5	−3.1	70	30	9	11	44	2.15	−0.88	0.59	7.6	12	10	7	14	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	29.7	−5.1	69	17	−13	1†	60	3.47	+0.37	0.90	7.5	14	9	5	17	se.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	21	31.5	−6.1	68	17†	−2	11	46	2.28	−0.39	0.83	3.0	8	7	13	11	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	32.3	−3.7	66	17	−12	1	53	3.24	−1.03	0.62	12.3	19	7	5	19	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	38.0	−3.5	72	30	5	1†	44	3.45	−0.43	0.83	13.5	16	10	7	14	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	35.0	−5.8	71	30	0	1	45	1.57	−1.30	0.42	3.4	8	16	6	9	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	32.0	−3.6	65	17†	0	12	45	4.56	+1.43	1.12	10.1	17	9	9	13	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	38.0	......	75	30	5	1	48	3.37	......	0.65	8.0	12	5	12	14	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	30.8	−2.7	69	17	9	23	33	2.36	−0.26	0.87	5.5	15	8	10	13	n.	U. S. Weather Bureau.
For the State	......	......	....	34.9	−2.8	78	18	−22	1	70	2.96	−0.48	2.75	7.7	12	12	7	12	sw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md: of Lycippus, Greensburg: of Neshaminy, Oakford: of Sharon, Farrell: of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for March, 1934

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh			.26	.03	.59	T.		T	.17		.16	T							.05					T	.12		.18	1.02	.02			2.60
Altoona	Juniata			.25	.48	.48	.19	T.	.18		.06	.08			.02				T.					T.	.02		.18	.50	.07			.18	2.64
Ansonia‖	W. Br. Susq			.17	.36	.33		.01		.04		.21			T.	T.				.06			19		T			.16	.88				1.91
Ardmore	Lower Del		.10	.06		.59			.34		.36	.10			.02				.08					.03	.20			.45	.25			1.10	3.68
Baker's Summit	Juniata		.04	.40	.17	.25	.04		.17		.11	.05													.08		.16	.60	.15			.22	2.44
Bedford	Juniata		T.	.30	.06	.25	.07	.02	.25	T	.20	.10			.30									.06	.06		.23	.48	.19			.20	2.77
Bellefonte***	W. Br. Susq		.05	.07	.67	.11	T.	T.	.02	T.	.09	.10	T.		T				T.			T.		T.	.04		.06	.76	.07			.46	2.50
Bethlehem	Lehigh			.27	.01	.54	T.	T.	.21	.01	.05	.23			T.				.03	T			T		.02	.11	.15	.06	1.08			.68	3.45
Bloserville‡‡	Lower Susq				.38	.38			.15		.12															.10		.07				1.10	3.33
Buffalo Mills	Juniata				.10	.25	.13		.11	.02	.09														.10		.16	.52					1.48
Carlisle	Lower Susq		T.	.14	.02	.27	.03	.03	.23		T.	.26							.02					T.	.15		.20	.27	.68			1.09	3.39
Catawissa‡	N. Br. Susq				.45				.21	T.		.26			T				.26						.13		.03	1.17	.25			1.18	3.94
Center Hall	Susquehanna			.10		.68	.05	T.	.32	T.	.24	.42													.10		.06	.48				.14	2.59
Chambersburg	Potomac		.04	.18	.09	.33	.06	.06	.26		.01	.18												.02	.13		.18	.25	.45			.48	2.72
Clearfield	W. Br. Susq			.45	.30	.31	.11		.01	.02	T.	.03	T.		T.				.05			T.		T.			.85	.65				.28	2.56
Coatesville	Lower Del		.10	.13	.16	.44		.03	.40		.30	.25							.20					T.	.18		.05	.40	1.24			1.43	5.31
Colebrook	Lower Susq		.04	.22	.13	.11		.04	*	.28	.03	.22			T.				.07	T.			.03	T.	.14	T.	.18	*	.83			1.16	3.48
Conshohocken	Schuylkill																																
Cresson‡	Juniata				.66	.20	.36		.16															.08			.18	.50	.14			.09	2.37
Doylestown	Lower Del			.18		.75	T.	.03	.25		*	.62			T.				.03				T.	T.	.06	.07	T.	.07	1.04			.84	3.94
Emporium	W. Br. Susq			.35	.11	.21	.18		.10		.40	.25			.13		T.		.09			.20		T.			.33	.61				.32	3.28
Ephrata	Lower Susq		T.	.24	.09	.17		T.	.32		.07	.15							.05				T.	T.	.14	T	.13	.29	1.00			1.52	4.17
Forest City	N. Br. Susq			.20		.15				.06		.06			.05													.37			.19	.31	1.39
Freeland‖	Lehigh				.09	.32	.20	.02		.28	.01	.27	T.			.03				.19			T.		T.	.16		.17	.95	.05			2.74
Galeton	W. Br. Susq				.90	.33	.14		.05		.33				.05				.07			.30					.14	.90				.26	3.47
George School	Lower Del			.17	.01	.47		T.	.30		.14	.25			.02				.08	.01				.01	.12	.04	.04	.01	.62			.67	2.96
Gettysburg	Potomac		.01	.22	.01	.25	T.	.03	.46		T.	.20							T.					.05	.10	T.	.08	.09	.87			.97	3.34
Girardville‖	Lower Susq		.08	.03	.04	.03	.01		.33		.37	.11			.02				.08			.01			.17		.07	.42	.11			1.37	3.25
Gordon	Lower Susq			.20	.03	.37	.08		.30			.32			.02				.13						.08		.08	.22	.89			1.14	3.86
Gouldsboro‡‡	Lehigh									.18		.09								.09			.35			.09		1.50	1.25			1.10	4.65
Graterford	Schuylkill			.11		.83		.03	.26		.17	.14							.02						.03	.04	.06	.02	1.03			1.04	3.78
Hamburg	Schuylkill			.10	.41		.06	.10	.20		.04	.10							.22					T.	.25		.25	.30	.66			1.10	3.79
Hanover	Lower Susq		T.	.19	.06	.10		.02	.42			.16							.12					.06	.08	.05	.05	.06	1.11			1.00	3.48
Harrisburg***	Lower Susq		.12	.07	.16	.28		.02	.15		.06	.03			T.				.11			T.		.02	.09		.23	.77	.15			1.08	3.34
Hawley‖	Upper Del			.05	.03	.21	.10	T.		.11	T.	.20				T.				.03						.13		.17	.81	.10			1.94
Hollisterville	Upper Del			T.	.04	.25	.12			.15		.19							T.	.02					.04			.11	.70	.05			1.67
Holtwood‡‡	Lower Susq		.12	T.	.28				T.	.35	.15	.15								T.	T.				.04	.18	.04	.12	1.10	T.	.15	1.04	3.72
Huntingdon	Juniata			.24	.28	.12	T.		.10		.13	.02												T.	.08		.14	.84	.10			.36	2.41
Hyndman	Potomac		.03	.15	.06	.27	.14	.03	.10		.02				.01									.20	.04		.05	.67	.15			.17	2.09
Kylertown	W. B. Susq			.18	.23	.38	.12	T.		.10	T.	.06			.70				T.					T.				.27					2.04
Lakeville‖	Upper Del			.03	.02		.08		T.	.15		.38	T.							.04						.25		.18	T.				1.13
Lancaster	Lower Susq			.14		.20		.09	.43		.10	.35							.06					T.	.11		.17	.25	1.35			1.30	4.55
Lansford‖	Lehigh			.11	*	.40	.07	T.		.13		*	.17			T.				.12						.06		.10	.92	.07			2.15
Lawrenceville	N. Br. Susq				.60	.30	T.		.10		T.	.10		.05	.05				.05			.10			T.		T.	.85				.30	2.50
Lebanon	Lower Susq			.35	.26	.02		.06	.20			.16			T.				.06			T.		.01	.07		T.	.20	.70			1.10	3.19
Lewisburg	W. Br. Susq			.06	.08	.78			.07	T.	T	.35							T.	.02		T.		T.	.15		.12	.57	.38			.88	3.46
Lock Haven	W. Br. Susq			.28	.23	.60	.02	T.	.20	T.	.02	.27							.02					T.	.06		.16	.66	.36			.38	3.26
Marcus Hook	Lower Del				.58			T.	.24		*	.26							T.					.05	.10		T	*				2.70	3.93
Matamoras‖	Upper Del			.08	.11	.34	.09			.03		.27													.11		.16	.76	.08				2.03
Mauch Chunk	Lehigh		T.	.20	.17	.19	.10		.17		.06	.13							.13						.12			.47	.71			1.42	3.87
Mifflin	Juniata				.46	.06			.03			.06	.04											T.	.02		.15	.37	.43			.52	2.14
Montrose	N. Br. Susq																																
Morris Run	N. Br. Susq			.18	.10	.36	.08		.12	.03	.15	.25			.10				.06			.16					.11	.94	.10			.47	3.21
Mount Pocono	Upper Del			.06	.30	.36	T.		.20	T	.10	.06			.06				.30						T.	.10		.15	.30	.20	T.		2.19
Muncy Valley	W. Br. Susq			.86	.11	.85			.08	.03		.07			T.				T.						.03		.06	.45	.46			.36	3.36
Neshaminy‖	Lower Del		.03	.10	.30			.07	.32		.18	.11							.06					.04	.14		.05	.22	.36			1.55	3.53
New Park	Lower Susq		.06		.43			T.			.18	.17			.29				.05					.22	.33		.33	1.30				1.27	4.63
Newport‖	Juniata			.20	.05		.37	.02		.19		.30								T.					.03	.07	T.	.10	.90	T.			2.23
Palmerton‡	Lehigh		.04	.06	.18	.10	T.		.10		.05								.02						.05		.05	.50	.07			1.24	2.46
Paupack‖	Upper Del			.04		.05	.30			.13		.25								.03						.10		.15	.92	.05			2.02
Philadelphia***	Lower Del	T.	.09	.09	.17	T.		T.	.35		.38	.11			.01				.09					.04	.17		.01	.35	.29			.77	2.92
Philadelphia-Gtn	do		T.	.20	T.	.18		T.	.37		.25	.25			.02				.10					.04	.17		.01	T.	.66			.80	3.05
Phila. Navy Yard‖	do			.18	T.	.17			T.	.49		.32	.15			T.				.03					.10	.17		.01	.38	.02		T.	2.02
Phila-P'nt Breeze.‡	Lower Del	T.		.21	*	.27		T.	.29		.35	.16			.01				.10					.03	*	.16	.01		.62			.67	2.88
Phoenixville	Schuylkill			.22		.66	T.	.03	.27	.03	.09	.31								.05			T.	T.	.06	.13	.04	.02	1.30			.80	4.01
Pine Grove	Lower Susq		.23	.06	.30	.14		T.	.15		.15	.10							.28						.20		.15	.50	.42			1.04	3.72
Pleasant Mount	Upper Del			1.07		.02			.14		.20				.13				.17						.21			1.04				.86	3.84
Pottstown	Schuylkill		.11	.12	.24	.05			.40		.18	.16			T.				T.		T.			.03	.15		T.	.12	T.			1.45	3.01
Pottsville	Schuylkill			.23	T.	.40	.08	T	.12	T.	T.	.20							.16						.11	T	.04	.16	.61			.96	3.07
Quakertown	Lower Del			.25		.64		.02	.25		.06	.20							.05						.08	.02	.10	.14	1.60			.87	4.28
Reading***	Schuylkill		.12	.10	.22	.06		.04	.36		.19	.19			T.				.10			.02	T.	.02	.13		.16	.78	.28			1.50	4.27
Renovo.‖	W. Br. Susq			.17	.20	.50	.11		.08		.32								.05				.05				T.	1.63	.23	.55			3.89
Retreat	N. Br. Susq			.50	.40	.07	T.		.41		.16	.03			.08				.10						.30		.13	.37				1.24	3.79
Scranton***	do		.03	.08	.12	.19	T.		.16	T.	.04	.07			.05				.10	T.		.03	T.		.08	T.	.07	.73	.12			.91	2.78
Selinsgrove	Lower Susq				.23	.30	.01		.10		.02	.27			.01				.13						.30		.12	.42	1.82			1.10	4.83
Shawmont	Schuylkill			.20		.90		T.	.22	T.	.11	.14			.01				.05					.02	.02	.14	.02	.02	.51			.56	2.92
Shippensburg	Lower Susq		.01	.21	.15	.40	.01	.04	.31		T.	.21											T.	T.	.14	T.	.16	.18	.54			.76	3.12
Snow Hill‡‡	Upper Del			.22	.06	.24			.12		.26														.11			1.20				1.05	3.26
State College	W. Br. Susq		.02	.16	.36	.30	T.		.13	T.	.08	.26			T.				T.			T.	T.	T	.05		.22	.64	.09			.39	2.70
Stroudsburg‖	Upper Del			.14	.06	.39	.06	T.												.03						.06		.20	.74	.06	T.		1.74
Sunbury	Lower Susq			.05	.09	.26		T.		.20	T	.37								.11			T.			.22	.09	.02	1.05				2.46
Towanda	N. Br. Susq			.02	.16	.51	T.		.10	T.	.05	.14			.09		T		.12	T		.12	T.	T	T.	T.	.08	.47	.17			.79	2.82
Weikert	Lower Susq				.20										.12										.15		.12	.70	.30			.80	2.39
Wellsboro	W. Br. Susq				.48	.28	.04		.05		.11	.25					T.		.12			.16				T.		.84				.45	2.78
West Chester	Lower Del			.22				.02	.10		.20	.40							.15					T.	.10	.18	.04	.03	.95			.95	3.34
Westgrove‖	do			.21	.03	.80			T.	.30		.32								.09					.07	.23		.04	.76	.10		.02	2.97
Wilkes-Barre‖	N. Br. Susq		.27	.24	.05		T.			.18					T.					.04			T.			.09	.09		1.00				1.96
Williamsport‖	W. Br. Susq			.18	.14	.45	.01	T.		.08		.28			.01	T.				T.			.01			.08		.19	.93				2.36
Williamstown	Susquehanna			.14			.40	T.	.18	T.	T.	.13			.01				.09					T.	.05		.03	.09	1.04			.74	2.90
York	Lower Susq			.14	.03	.18		.03	.38			.15							.06					T.	.12		.04	.07	.99			1.13	3.32
York Haven‖	Lower Susq			.15		.25		T.	.03	.18		.09								.09					.02	.11		.17	.90				1.99
Zionsville..(near).	Schuylkill			.18	.33	.60			.32		.15	.17						.02							.30		.14	.15	1.20			.75	4.31
Trenton, N. J***	Lower Del	T.	.07	.08	.30	T.	T.	T.	.29	T	.30	.03			T.				.13			T.		.01	.13		.03	.29	.30			.96	2.92

Continued on page 14.

Daily Precipitation for March, 1934—Continued from page 13

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio			.29	.25	.04	.09	T.		.05	T.	.25			.16				.02	.15							.01	.69	.48				2.48
Beaver Falls‖‖	Beaver			.34	.21	.01	.10	.01		.05	.02	.20			.23	T	T.		.05	.16			T.		T.		T.	.62	.15				2.15
Brookville	Allegheny			.54	.18	.09		T.				.23								.20			T.					.70	.65				2.59
Butler	Ohio																																
Chambersville	Allegheny		T.	.40	.31	.09	.29	T.	.10	T.	.03	.16			.24				.15				.02				.30	.77				.11	2.97
Clairton‡	Monongahela		.02	.09	.25	.30	T.	T.	.18	T.	.15	T.	T.		.05				.15			T.		T.	T.		.22	.40				.21	2.02
Claysville	Ohio		T.	.29	.42	.07	.22		.12		.16				.21				.21					.02			.27	.67				.02	2.68
Clymer ‡‡	Conemaugh			.44	.50	.33	.08		.15			.20			.20				T.				T.	T.			.22	.98					3.10
Confluence‖‖	Youghiogheny			.36	.22	.39	.54	T.	.07	.30	T.	.10			.15	T.								.04	.05		.18	.10	.49				2.99
Corry	Allegheny		.02	.64	.13	.16	.44		.01		.08	.02		T.	.33	T.			.15	T.		.43			.02		.26	.45	.15			.07	3.36
Coudersport	Allegheny																																
Derry	Conemaugh		.02	.40	.47	.20	.13	T.	.20		T.	.11	T.		.10				.11						T.		.20	.96	T.			.11	3.01
Donora‖‖	Monongahela			.20	.40	.03	.23	T.	.03	.06	.02	.02			.19				.03	.01			.01	T.	T.		.24	.74	.01			.09	2.31
Ebensburg	Conemaugh		T.	.60	.40	.32	.12	.03	.13	.05	T.	T.			.09				T.				T	.02	.03		.20	.75				.20	2.94
Elk Lick	Youghiogheny			.50			.02	.20	.40		.20	.20				.20								.20						.75		.35	3.02
Franklin‖‖	Allegheny			.34	.36	.06	.26	.04		.05	T.	.16			.33				.08	.29						.15		.82	.22				3.16
Greensboro	Monongahela			.28	.52	.08	.17	.02	.07	.22	T.	.28			.15	.07				.15			.04	.04	T.	.06	.17	.17	.77				3.37
Greensburg	Youghiogheny		.03	.29	.48	.25	.27	T.	.23	.03	.20	.09	T.		.20				.11					.02	.02		.21	.82				.14	3.39
Greenville	Beaver		.06	.31	.40	.04	.10		T.	T	.14	.04			.12				.23			.16					.38	.24					2.22
Grove City	....do		T.	.40	.48	.13	.27		.06	.03	.56	.03			.18				.23			T.	T.		T.		.45	.43				.04	3.29
Herrs Isl. Dam‖‖	Ohio			.13	.24	.03	.21	.03		.15	.01	.23	T.		.11	T.			T.	.18			T.	T.		T.	.06	.36	.53			.07	2.34
Irwin	Monongahela		T.	.15	.42	.07	.05		.12		.09	.06			T.				.05								.19	.21				.22	1.63
Johnstown	Conemaugh		.03	.74	.62	.39	.13		.19	T.	10	.05	T.		.13				.04			T.		.02	T.		.32	.51	.01			.15	3.43
Kane (near) ‡‡	Allegheny			.09	.49		.20		.15		.18	.22			.27				.19			.47		T.	T.		.28	1.12				.13	3.79
Kregar‖‖	Youghiogheny		.65	.53	.30	.34			.29	T.	.15	T.		.09	.06				.05			T.	T.	.05	T.	.09	.09	.66				.17	3.52
Lake Lynn‖‖	Monongahela			.23	.40	.18	.24	.05	.05	.25		.34			.14	.15					.10		.02	.03	.01	.03	.20	.12	.95			T.	3.49
Linesville‖‖	Beaver			.34	.34	.05	.17	.19		.01		.02			.25				.12				.30			T.		.49	.06				2.34
Lock No 2‖‖	Ohio			.18	.19	.24	.21	.03		.04	.02	.11			.12	T.			T	.07							.03	.47	.49			.01	2.21
Lock No. 4‖‖	Monongahela			.23	.58	.05	.24		T.	.16	.03	.10			.10	.01				.09			.01	.02	T.		.09	.20	.65			.03	2.59
Lock No. 5‡‡‖‖	Allegheny			.20	.20	.04	.19	T.		.04	T.	.20			.10	.02			.01	.18			T.				.05	.45	.46			.05	2.19
Lycippus	Conemaugh		.07	.76	.64	.21	T.		.36			.62			.45				.16								.35	1.30				.27	5.19
McKeesport‖‖	Monongahela			.09	.35	T.	.15			.04	.01	.23								.01							.01	.59	.15			.05	1.68
Meadville	Allegheny		.03	.36	.29	T.	.24				.08				.34				.14			.33			.02		.29	.40					2.52
Mosgrove	....do			.26	.30	T	.30	T.		.06	T.	.16	T.		.16	T.	T.			.18			T				T.	.54	.53				2.49
Mount Lebanon	Ohio		T.	.04	.29	.38	.04		.07	T.	.19	T.	T.		.18				.19			T.			T.		.23	.71				.12	2.44
Natrona‖‖	Allegheny			.17	.18	.11	.19	.04		.06	.02	.23			.15	.02			T.	.21			T.				.05	.41	.55			.04	2.43
New Castle‖‖	Beaver			.11	.64	.07	.28	.07		.05	.03	.15	.02	T.	.20				.03	.17					T		.03	1.05	.07				2.97
Newell	Monongahela			.04		.05	.03		.08		.07	T.								.02				.02			.30	.61				.10	1.32
Parkers Landing‖‖	Allegheny			.10	.62		.65			.15	.03	.80			.05	T.			.05	.20			.05		T.		T.	.40	.25			T	3.35
Pennline‖‖‡‡	Beaver			.35	.32	.08	.15	.02		.03		.10			.22	T.			.13	T.				.39		.03		.78	.05				2.65
Pittsburgh***	Ohio		.05	.05	.19	.26	.02	T.	.06	T.	.36	T.	T.	T.	.07				.18			T.		T.	T.		.27	.53				.11	2.15
Punxsutawney‖‖	Allegheny			.61		.31	.04		T.	.05	T.	.18	T.		.08	T.			T.	.18							T.	.58	.68			.18	2.89
Ridgway	....do			.38	.50	.03	.22	.03		.06	T.	.27	T.	T.	.18	.10	T	.04	T.	.10			.16		T.			.50	.90				3.47
Saltsburg‖‖	Conemaugh			.18	.37	.05	.22	.01		.12	.03	.25			.13	T.				.13							.05	.02	.48				2.04
Sharon‖‖	Beaver			.23	.57		.12	T.		T.	T.	.10	T.		.20				.15							T.		.83	.08				2.28
Smethport	Allegheny			.35	.50	.03	.08	T.	.02	.03	T.	.52	T.		.20	T.			.10			T.	.52	T.	T.	.05		.64	.51				3.55
Somerset	Youghiogheny	T.	.04	.62	.33	.32	.13	.01	.26	.02	.09	.07	T.		.07				.01				.04	.09	.04		.26	.51	.11			.22	3.24
Springdale‖‖	Allegheny			.19	.27	.05	.21	.04		.04	.20	.18			.15	.01			.01	.18			.01				.04	.34	.63			.04	2.57
Uniontown	Monongahela			.35	.50	.14	.19	.02	.31	.01	.24	.05			.25				.12					.02	.09		.25	.83				.08	3.45
Unity Reservoir‡‡	Youghiogheny		.02	.40	.45	.24	.20	T.	.30	T.	.08	.20	T.		.20				.08	T.			T.	T.	T.		.22	.86				.10	3.35
Vandergrift‡	Conemaugh		.05		.20	.23			.05						.06				.28								.28	.42					1.57
Warren	Allegheny		.10	.50	.32		.36	.25	.05	.02	.20	.10			.16		.04		.30			.32				.20	.40	1.12				.12	4.56
Waynesburg	Monongahela			.42	.55	.21			.28		.17				.18				.25				.03	.09			.36	.65				.18	3.37
Westford‖‖	Beaver	.22	.16	.21	.35	.18	.24	.04		.03		.07	.05		.08	.02			.02	.04		.57					.50	.15					2.93
West Newton‖‖	Youghiogheny			.22	.44	T.	.32	T.	T.	.11	.05	.16			.09	T.				.10			T.	.02	T.		T.	.20	.70			.03	2.44
Lake Drainage.																																	
Erie***	Lake Erie		.14	.26	.06	.08	T.		.01	T.	.10	.20		.07	.09			.16	.12			.17	.02	T.	T.		.58	.30				T.	2.36

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.14	30.57	25	29.56	5	14.2	41	sw.	6	75	69	76	47
Harrisburg	30.17	30.73	1	29.57	4	7.9	34	sw.	6	67	56	65	53
Philadelphia	30.19	30.76	1	29.58	5	13.9	40	sw.	6	68	58	66	50
Pittsburgh	30.16	30.61	1	29.60	4	11.0	41	w.	5	74	68	64	45
Reading	30.17	30.75	1	29.55	5	11.4	41	w.	6	70	57	64	50
Scranton	30.16	30.73	1	29.53	4	7.4	21	nw.	22	81	62	65	48

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.5	5.9	7	2.6	26	18
Phillipsburg	Delaware	4.2	16.0	6	1.9	25	22
Mauch Chunk	Lehigh	2.7	3.7	29	2.2	25	17
Wilkes-Barre	Susquehanna	7.6	18.0	6	2.2	1	20
Williamsport	Susquehanna	3.6	7.8	6	0.8	2	20
Harrisburg	Susquehanna	5.9	11.9	6	3.9	2	17
Greensboro	Monongahela	15.9	30.3	4	11.4	1	30
West Newton	Youghiogheny	3.5	19.6	4	1.4	26	20
Lock No. 4	Monongahela	16.6	27.1	4	11.2	1	30
Pittsburgh	Ohio	14.5	25.8	4	10.2	1	25
Beaver Dam	Ohio	12.6	28.9	6	4.3	1	30

Daily Temperatures for March, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	40	44	49	52	61	49	37	32	35	24	28	30	44	46	44	57	65	67	37	50	51	34	29	29	43	38	61	39	52	60	48	44.2
	Minimum	−5	8	22	35	37	34	32	29	14	19	19	9	15	29	21	26	28	33	19	22	24	29	13	14	15	19	30	35	26	29	34	23.0
Altoona	Maximum	37	43	48	55	59	45	37	35	32	27	25	35	60	54	46	55	71	63	39	48	62	55	29	27	46	41	54	46	61	63	56	46.9
	Minimum	−1	23	35	40	43	30	25	25	17	14	9	6	29	34	13	27	30	51	8	20	26	24	10	14	19	26	32	23	28	29	32	23.9
Bedford	Maximum	43	43	52	56	63	50	38	37	34	32	28	41	64	62	51	57	73	72	42	50	67	63	35	30	47	46	58	55	67	65	60	51.0
	Minimum	−3	13	37	37	43	31	30	26	22	19	12	7	29	31	11	24	25	30	13	23	23	29	13	16	17	30	40	22	30	25	32	23.8
Bellefonte	Maximum	36	43	45	55	55	43	37	29	32	26	23	32	57	51	45	54	67	54	38	46	60	40	18	27	43	39	56	47	61	61	44	44.0
	Minimum	−13	7	34	37	37	29	26	19	13	19	3	−4	31	22	15	27	25	20	13	20	22	14	10	18	8	29	31	27	22	26	33	20.0
Brookville	Maximum	32	46	51	54	59	45	37	39	34	29	27	34	48	54	58	59	52	61	68	43	45	54	23	22	35	41	54	48	47	63	60	45.9
	Minimum	−12	10	15	38	40	30	21	10	3	5	−3	−11	21	24	12	4	10	28	−2	10	18	17	9	12	8	17	33	19	11	21	27	14.4
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	37	40	44	55	62	61	43	35	38	34	31	38	51	49	47	61	70	69	41	51	61	60	32	30	46	44	57	51	62	62	60	49.1
	Minimum	−5	8	34	36	41	37	31	29	17	23	19	4	30	31	20	24	25	33	16	22	25	32	14	18	15	22	35	32	23	24	29	24.0
Catawissa	Maximum	41	45	53	53	61	59	40	34	35	33	29	37	51	49	48	69	67	68	39	48	68	49	30	29	43	38	58	47	61	65	59	48.6
	Minimum	−3	14	35	37	40	32	31	22	13	18	18	15	28	30	17	30	26	27	17	24	23	26	13	22	12	23	36	30	22	28	35	23.9
Chambersburg	Maximum	39	43	54	60	63	52	37	35	39	32	32	35	54	48	48	61	69	67	40	52	65	58	37	27	47	41	56	55	65	66	54	49.4
	Minimum	1	14	33	37	42	36	32	31	23	23	16	6	25	31	21	26	28	37	21	26	25	35	15	16	17	27	34	33	24	27	33	25.6
Chambersville	Maximum	42	50	48	58	59	56	37	36	30	32	32	32	55	58	42	52	68	67	41	44	58	51	30	34	44	41	57	45	61	68	68	48.4
	Minimum	1	18	42	47	39	27	25	24	15	15	9	5	27	25	6	27	26	25	4	20	25	21	11	17	16	19	33	20	19	30	37	21.8
Claysville	Maximum	41	52	52	61	59	51	36	35	34	31	21	35	60	58	47	57	72	70	41	47	64	59	29	36	49	60	61	46	66	72	71	50.7
	Minimum	11	25	46	48	41	31	26	26	17	19	2	6	27	26	7	35	30	24	3	20	27	21	16	22	19	27	30	19	21	27	39	23.8
Clearfield	Maximum	47	46	46	59	58	43	38	35	32	28	26	40	56	36	48	53	68	63	43	50	56	47	27	32	48	42	52	52	69	68	57	47.3
	Minimum	−6	21	34	38	41	30	24	10	18	15	19	−2	5	10	14	20	33	29	9	18	23	22	10	17	14	20	30	24	27	25	31	20.1
Coatesville	Maximum	37	50	54	60	64	52	40	34	37	30	32	37	47	49	43	57	65	73	41	49	53	52	27	33	42	38	65	53	59	62	45	47.7
	Minimum	6	19	33	40	44	34	31	26	12	20	19	8	22	31	23	25	29	32	19	27	23	26	14	18	18	24	34	33	26	26	32	25.0
Corry	Maximum	38	44	46	53	51	41	36	29	25	21	25	32	50	46	40	46	65	65	38	40	42	37	26	33	41	40	48	38	58	67	50	42.3
	Minimum	11	23	35	36	34	23	20	19	10	7	6	−3	25	18	8	31	26	14	4	16	25	9	5	16	9	19	24	16	19	31	35	18.4
Coudersport	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Emporium	Maximum	42	49	51	59	55	41	39	34	29	25	25	31	55	52	45	51	67	60	41	41	52	40	24	32	42	37	52	44	60	63	52	44.8
	Minimum	−8	14	40	40	41	32	25	23	12	15	6	−10	30	25	12	26	22	22	6	17	20	18	10	20	13	18	34	26	20	25	36	20.3
Erie	Maximum	39	48	48	52	52	34	36	30	23	19	20	35	54	40	41	44	69	37	29	37	44	24	26	34	27	41	33	30	47	41	49	38.2
	Minimum	22	32	38	41	31	29	27	18	15	14	11	13	36	22	18	36	36	17	13	21	24	10	9	21	17	25	21	18	24	32	32	23.3
Franklin	Maximum	39	48	48	57	53	35	39	29	27	24	25	40	54	31	41	52	67	27	43	45	50	27	25	39	47	58	37	44	65	71	43	42.9
	Minimum	−22	−9	16	35	35	29	24	22	15	13	7	3	7	26	10	11	25	25	0	3	19	16	9	12	12	16	34	19	19	21	32	15.6
Freeland	Maximum	45	49	51	61	58	46	35	28	32	25	20	32	46	42	44	53	61	62	39	37	42	42	22	24	37	31	53	48	57	58	45	42.7
	Minimum	8	23	32	42	43	26	22	22	8	9	12	0	20	20	12	24	31	19	8	20	22	12	3	15	16	22	29	20	18	36	29	20.1
Gettysburg	Maximum	36	43	49	56	64	58	40	36	39	35	31	35	51	50	47	61	69	71	47	50	62	60	38	38	46	40	56	55	59	65	56	49.8
	Minimum	2	16	34	38	41	36	32	31	21	24	10	5	23	37	22	29	30	47	20	29	25	37	15	15	12	27	34	33	27	30	33	26.6
Greensburg	Maximum	42	50	51	57	59	45	37	35	31	38	23	33	58	55	45	54	70	66	41	46	62	49	29	33	48	55	62	45	65	73	62	49.0
	Minimum	8	24	46	47	43	28	27	25	17	18	7	10	29	26	10	34	31	24	8	23	24	23	16	20	20	30	35	22	23	33	41	24.9
Grove City	Maximum	36	42	44	53	53	47	35	35	24	23	22	31	54	53	41	49	66	65	41	42	46	45	28	36	42	43	41	37	60	56	47	43.1
	Minimum	15	26	28	42	40	31	25	22	19	14	4	6	28	22	13	38	38	21	14	27	31	18	8	18	25	31	26	25	35	36	29	24.4
Hamburg	Maximum	35	45	46	51	60	60	41	34	35	34	28	32	46	42	46	57	65	65	38	46	52	49	28	33	44	44	58	50	59	60	50	46.2
	Minimum	1	14	35	38	37	33	30	27	16	19	12	0	20	22	21	23	27	33	16	27	22	28	13	12	20	26	38	32	36	26	38	23.9
Harrisburg	Maximum	34	42	50	55	61	50	38	36	36	30	27	34	50	45	47	60	67	66	38	46	60	49	21	29	44	36	54	44	57	62	43	45.5
	Minimum	10	19	34	39	41	36	30	27	21	21	19	14	30	28	25	32	34	27	19	29	31	21	14	19	19	30	35	31	33	34	33	26.9
Hawley	Maximum	43	52	53	62	57	55	38	36	31	27	23	31	49	47	47	58	62	60	41	45	47	46	23	26	40	37	58	51	59	58	54	45.5
	Minimum	−5	11	35	37	37	31	25	24	6	11	17	−4	22	30	11	28	19	25	12	18	16	19	6	20	5	13	32	28	16	20	27	18.9
Huntingdon	Maximum	43	43	44	51	61	57	42	38	34	30	27	37	62	58	50	58	72	57	42	52	66	56	24	30	47	39	56	52	64	65	62	49.0
	Minimum	−5	12	36	36	38	33	31	28	21	20	15	−2	32	31	14	22	24	26	12	19	21	24	14	19	13	22	35	29	21	24	35	22.6
Johnstown	Maximum	46	46	51	55	62	45	38	35	33	33	28	38	62	53	49	56	71	62	46	50	62	54	31	34	50	45	59	48	67	68	56	49.5
	Minimum	5	24	40	42	37	31	30	27	22	19	13	14	34	27	15	30	29	26	15	25	27	27	15	18	25	30	35	26	25	29	35	25.7
Lancaster	Maximum	41	46	48	60	67	62	62	42	42	36	30	33	48	51	49	64	70	78	42	52	55	54	51	48	45	47	60	59	60	64	62	52.5
	Minimum	0	11	34	35	35	32	29	30	2	25	21	0	26	28	20	24	26	35	21	20	23	34	15	20	10	24	35	34	24	26	32	23.6
Lawrenceville	Maximum	45	48	54	60	59	55	42	39	31	25	25	36	53	53	51	52	66	63	48	41	54	43	25	31	42	41	52	43	62	62	59	47.1
	Minimum	−1	10	36	36	33	28	25	23	5	12	12	−11	25	24	12	30	24	22	11	19	22	13	7	21	17	19	32	23	21	26	27	19.5
Lebanon	Maximum	39	44	49	53	63	51	37	34	38	26	27	34	50	42	48	60	69	70	47	48	54	37	35	29	44	42	59	42	61	63	42	46.4
	Minimum	4	13	22	38	39	35	30	30	11	20	21	4	19	30	22	26	29	36	19	22	26	35	14	15	14	23	32	32	25	30	33	24.2
Marcus Hook	Maximum	39	49	56	58	59	58	51	38	39	39	34	47	55	47	55	67	72	68	51	52	53	52	39	44	44	65	62	62	59	65	66	53.1
	Minimum	23	34	39	44	39	34	29	20	25	23	13	27	35	28	29	34	51	24	31	30	36	15	20	26	29	37	36	30	48	37	44	31.3
Mifflin	Maximum	40	43	44	52	64	64	41	41	37	36	30	45	57	55	52	60	71	70	43	51	62	64	40	27	50	45	53	53	65	67	65	51.0
	Minimum	−5	11	34	34	38	32	31	30	18	20	19	2	30	28	17	22	25	33	17	23	21	33	14	19	12	23	33	30	21	26	32	23.3
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Muncy Valley	Maximum	36	46	51	55	54	53	40	37	31	31	25	33	44	44	46	54	62	61	36	41	50	48	27	27	44	37	46	43	55	61	59	44.4
	Minimum	−3	9	33	34	37	29	21	20	−1	13	12	−11	25	27	11	23	22	24	10	18	18	18	7	20	7	20	32	25	29	24	31	18.8
Philadelphia	Maximum	33	41	55	59	63	52	43	40	36	35	32	34	50	53	47	58	68	71	40	51	53	49	25	36	46	44	67	50	59	64	47	48.4
	Minimum	20	26	39	49	46	39	35	31	25	25	20	18	30	33	30	31	43	31	25	32	35	24	17	25	27	32	39	39	33	37	38	31.4
Pittsburgh	Maximum	39	51	56	59	56	40	37	30	29	29	21	34	58	53	42	54	70	61	38	42	59	36	25	37	42	60	60	42	61	70	51	46.5
	Minimum	17	29	47	49	36	29	29	23	20	14	9	14	34	23	18	40	38	17	13	22	35	17	17	25	22	33	27	22	29	33	41	26.5
Quakertown	Maximum	35	48	53	55	60	51	40	33	35	32	30	32	44	48	44	56	64	70	38	49	50	49	29	31	42	40	53	58	54	58	52	46.2
	Minimum	0	10	33	35	40	32	31	29	7	19	20	4	20	33	22	23	25	30	18	26	20	28	12	21	10	21	33	34	24	25	32	23.1
Reading	Maximum	38	47	54	59	64	52	40	37	37	31	26	35	50	48	46	59	66	71	41	47	55	46	23	30	44	37	64	39	60	61	44	46.8
	Minimum	12	25	42	41	47	36	32	25	21	21	18	13	29	26	24	34	35	27	20	29	29	20	15	21	22	29	34	33	29	34	36	27.7
Ridgway	Maximum	19	43	50	57	65	39	37	30	32	27	27	47	57	42	44	54	69	37	45	49	53	30	24	35	48	55	55	49	64	63	44	44.8
	Minimum	−13	−7	17	37	39	28	20	22	6	10	−4	−13	2	25	8	17	20	30	0	10	19	14	7	10	8	16	32	20	17	23	33	14.6
Scranton	Maximum	37	48	54	62	58	46	39	32	32	27	22	32	51	45	46	55	67	55	38	40	52	44	27	29	39	42	61	38	57	63	44	44.6
	Minimum	11	22	39	46	46	31	29	22	15	16	14	7	30	21	18	33	29	20	16	26	24	12	9	23	21	28	34	28	24	32	34	24.5
Selinsgrove	Maximum	39	45	53	55	60	61	39	39	36	35	29	35	50	47	47	59	66	66	39	48	55	58	31	26	40	40	51	48	60	63	58	47.7
	Minimum	−3	9	34	38	37	30	27	27	10	19	18	−6	30	32	19	30	27	31	16	25	24	27	12	20	10	19	35	28	24	27	34	22.9
Somerset	Maximum	41	49	50	53	55	40	31	31	28	30	26	31	54	51	46	50	66	62	39	41	60	54	27	31	47	45	55	38	62	61	56	45.5
	Minimum	−12	10	41	39	38	25	23	22	13	6	6	0	20	23	5	24	23	22	11	18	25	22	9	12	20	30	33	21	17	22	23	19.1
State College	Maximum	42	46	47	58	56	44	38	34	33	27	25	35	57	54	44	53	67	58	38	46	61	48	28	28	43	39	55	49	62	65	53	46.2
	Minimum	5	18	38	39	42	29	25	23	15	17	10	4	28	30	16	27	28	28	12	21	25	24	9	15	17	27	33	26	24	28	30	23.0
Stroudsburg	Maximum	37	48	55	56	61	47	39	34	26	19	28	35	45	44	46	54	63	63	37	46	49	30	26	29	45	44	62	37	61	66	39	44.2
	Minimum	−14	3	18	37	39	34	30	26	1	−2	4	1	8	29	18	22	25	29	17	21	21	26	10	12	8	19	26	34	21	25	33	18.7
Towanda	Maximum	43	50	58	61	57	47	40	32	32	28	24	37	49	47	49	54	64	58	39	39	50	39	24	30	41	39	53	39	56	60	48	44.7
	Minimum	−1	11	39	40	37	31	27	22	8	15	13	−8	28	22	13	32	23	21	13	21	19	14	8	23	21	20	32	25	20	28	33	21.0
Uniontown	Maximum	43	51	51	54	60	47	36	34	35	40	26	35	59	54	48	60	71	61	43	48	59	59	31	34	47	59	61	40	66	72	62	49.9
	Minimum	5	23	47	49	44	33	26	26	17	20	5	13	28	26	6	34	30	26	12	26	27	26	21	22	25	36	35	25	22	31	41	26.0
Vandergrift	Maximum	45	49	49	49	59	44	40	31	33	33	24	35	59	47	43	57	70	59	40	46	56	37	24	37	46	59	61	46	64	71	54	47.3
	Minimum	0	18	44	42	38	31	28	23	20	19	10	10	32	19	12	31	29	17	7	23	12	16	14	22	19	27	27	23	25	29	39	22.8
Warren	Maximum	40	48	46	54	55	40	32	35	26	22	22	30	49	36	40	46	65	65	30	34	45	40	26	28	38	41	49	42	50	62	58	41.7
	Minimum	6	22	40	40	40	29	26	25	16	13	15	0	28	25	14	27	34	20	8	22	30	10	6	20	13	22	30	19	24	35	36	22.4
Waynesburg	Maximum	40	52	54	72	58	49	36	35	35	35	26	34	60	58	46	57	71	68	40	46	64	60	30	35	48	64	65	46	66	75	68	51.4
	Minimum	5	22	47	34	41	32	26	26	18	20	9	10	26	26	10	38	30	24	8	23	28	23	18	23	21	29	32	21	22	27	40	24.5
Wellsboro	Maximum	45	43	55	63	57	49	45	30	33	24	25	32	56	50	52	53	65	43	44	40	54	40	39	23	28	44	51	40	66	60	46	45.0
	Minimum	0	10	34	36	36	25	29	20	3	10	7	−18	25	19	11	27	19	17	9	18	19	29	12	5	17	13	31	21	18	23	27	17.8
Williamsport	Maximum	32	43	51	52	59	52	40	38	37	33	26	37	50	46	46	57	67	65	37	46	57	44	26	29	45	38	51	47	59	65	61	46.3
	Minimum	−1	12	35	38	40	32	29	28	11	18	17	−2	30	33	19	30	26	30	16	23	24	23	12	22	16	26	34	29	24	28	36	23.8
Williamstown	Maximum	44	53	51	57	60	57	37	34	32	32	25	33	49	48	48	57	67	61	60	45	55	52	32	26	40	41	55	52	63	60	59	47.9
	Minimum	11	25	31	48	44	30	26	24	13	14	15	7	24	30	17	28	37	38	12	24	27	25	8	15	19	27	30	26	24	36	29	24.6
York	Maximum	43	49	48	58	66	62	43	35	43	37	29	39	54	52	47	62	70	73	39	48	62	49	35	31	46	46	62	55	65	67	63	50.9
	Minimum	0	13	35	37	41	33	30	30	5	22	20	1	26	33	19	27	27	39	22	30	24	32	17	19	16	26	36	32	22	26	31	24.9

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J P

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XXXIX. APRIL, 1934. No. 4.

GENERAL SUMMARY.

The month averaged very close to the April normal in temperature, with no unusual extremes. Frosts or freezing temperatures continued until near the close of the month, with lowest readings for the month occurring on the 28th at many stations, particularly in western sections. Due to the muddy condition of the fields as a result of the frequent rains of March and early April seeding was delayed about two weeks and vegetation had not advanced enough to be seriously damaged by the late frosts. The first ten days of the month were warm over most parts of the State, with the monthly maximum occurring at many places in southeastern Pennsylvania on the 2d. The last two-thirds of the month averaged well below the normal until the last two days, when temperatures rose to above normal over the western half of the State. Precipitation averaged about 90 percent of the normal, and was mostly in the form of rain, as the total snowfall was about one-fourth of the April normal, and fell chiefly in elevated places in the southwestern sections and over a few of the northwestern counties. No unusually heavy falls were reported. The precipitation was rather evenly distributed throughout the month with no extended periods of excessive dryness over any particular region. The greatest monthly amounts were reported generally from the region east of the Alleghanies and from scattered stations in the extreme southwestern portion of the State, while the least precipitation fell in the mountainous regions and also over the northwestern counties. The severe winter weather did great damage to many varieties of fruit trees, especially peaches, apples and pears, and no great improvement occurred during April. Due to the cool nights of late April the ground was too cold for good germination and only the hardier grasses and winter grains were making a fair growth. At the end of the month oats seeding was in progress quite generally and a few early varieties of potatoes had been planted, but farm work on the whole was about two weeks late, and most farmers were waiting for warmer weather. No flood stages were reported in the rivers of the State, and no unusually destructive storms occurred during the month.

F. H. A.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 91 stations, was 48.9°, which is 0.2° above the April normal. The highest monthly mean was 54.8°, at Marcus Hook, and the lowest was 39.1°, at Gouldsboro. Extremes for the month ranged from a maximum of 86° at Ridgway on the 30th, to a minimum of 14° at Kane on the 28th. The greatest daily range in temperature was 51° at Ridgway on the 10th and 30th, and at Somerset on the 3d.

PRECIPITATION.

The average precipitation for the State, as determined from the observations taken at 146 stations, was 3.06 inches, which amount is 0.38 inch less than the normal for the month. The greatest monthly amount was 5.52 inches at Hamburg, while the least, 1.14 inches, was reported at Lawrenceville. The greatest amount recorded in any 24 consecutive hours was 2.50 inches at Waynesburg on the 4th.

Snowfall for the State averaged 0.6 inch, which is 1.7 inches less than the normal. The greatest monthly snowfall was 8.3 inches at Warren, which place also reported the greatest fall for 24 hours, which was 3.2 inches on the 12th.

COMPARATIVE DATA FOR APRIL

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.2	−1.5	92	12	2.52	−0.92	4.23	0.99	1.3	8	14	10	6
1889	49.7	+1.0	88	14	4.50	+1.06	8.15	2.09	0.9	11	11	8	11
1890	48.6	−0.1	85	12	3.46	+0.02	5.50	1.75	0.4	10	14	8	8
1891	49.8	+1.1	87	11	2.08	−1.36	3.54	1.12	1.2	8	13	9	8
1892	46.9	−1.8	85	14	2.04	−1.40	4.43	0.61	1.1	10	10	10	10
1893	47.7	−1.0	85	16	4.74	+1.30	6.91	2.95	0.6	14	7	10	13
1894	48.0	−0.7	83	5	3.62	+0.18	10.00	1.69	14.7	11	11	8	11
1895	49.2	+0.5	90	5	3.76	+0.32	7.09	0.79	0.2	10	10	8	12
1896	53.0	+4.3	97	4	1.75	−1.69	3.39	0.20	0.9	8	10	10	10
1897	49.0	+0.3	92	12	3.30	−0.14	4.63	1.20	0.3	10	12	9	9
1898	45.6	−3.1	84	4	2.93	−0.51	5.34	1.36	2.5	12	9	8	13
1899	50.2	+1.5	92	2	1.76	−1.68	3.25	0.70	0.5	6	15	9	6
1900	49.2	+0.5	90	13	1.57	−1.87	2.80	0.60	0.9	8	14	8	8
1901	47.2	−1.5	95	10	5.41	+1.97	9.18	1.46	4.9	11	9	5	16
1902	48.0	−0.7	91	20	3.56	+0.12	7.14	1.34	3.0	9	8	10	12
1903	48.8	+0.1	90	12	3.53	+0.09	4.93	2.16	T.	10	11	7	12
1904	44.7	−4.0	86	9	3.45	+0.01	6.42	1.34	1.0	13	8	8	14
1905	48.4	−0.3	84	16	2.84	−0.60	4.74	1.39	2.8	12	9	11	10
1906	50.0	+1.3	89	12	3.13	−0.31	6.96	0.75	0.6	9	14	8	8
1907	43.6	−5.1	84	8	2.64	−0.80	4.42	1.02	4.0	11	10	7	13
1908	49.8	+1.1	89	0	3.51	+0.07	6.31	1.85	1.0	12	12	8	10
1909	48.5	−0.2	87	8	5.39	+1.95	8.42	2.67	2.6	13	10	9	11
1910	52.6	+3.9	89	13	5.07	+1.63	8.50	2.21	0.6	13	10	9	11
1911	46.2	−2.5	84	6	3.79	+0.35	5.85	1.66	4.4	13	11	7	12
1912	50.2	+1.5	83	18	4.39	+0.95	7.31	2.41	1.6	15	10	7	13
1913	50.6	+1.9	90	17	3.82	+0.38	9.28	1.46	0.2	11	12	6	12
1914	47.3	−1.4	93	5	4.66	+1.22	7.50	1.90	1.1	14	10	8	12
1915	53.9	+5.2	98	15	1.92	−1.52	4.41	0.46	1.6	8	13	10	7
1916	48.0	−0.7	87	16	3.65	+0.21	7.40	1.65	5.6	14	9	9	12
1917	48.5	−0.2	87	14	2.08	−1.36	4.89	0.41	2.6	9	11	10	9
1918	48.2	−0.5	81	12	4.53	+1.09	8.83	1.84	10.8	14	10	9	11
1919	48.5	−0.2	90	6	2.70	−0.74	4.76	0.99	1.2	11	10	10	10
1920	46.0	−2.7	87	8	4.39	+0.95	11.34	2.44	3.0	16	9	9	12
1921	55.3	+6.6	96	10	3.11	−0.33	5.06	1.12	0.8	11	13	7	10
1922	50.1	+1.4	91	11	3.17	−0.27	6.10	1.28	0.4	12	12	9	9
1923	48.3	−0.4	89	−5	2.94	−0.50	5.89	1.00	1.9	9	14	8	8
1924	46.5	−2.2	82	6	4.15	+0.71	7.52	1.77	7.4	12	13	7	10
1925	51.3	+2.6	96	9	2.32	−1.12	4.89	0.93	0.5	10	15	7	8
1926	44.9	−3.8	84	9	2.03	−1.41	4.35	0.85	0.9	9	12	9	9
1927	47.7	−1.0	92	17	3.52	+0.08	5.59	1.65	1.0	13	12	7	11
1928	46.0	−2.7	88	11	5.50	+2.06	9.82	2.11	6.5	13	12	8	10
1929	51.4	+2.7	94	19	6.12	+2.68	8.94	3.31	1.1	15	9	8	13
1930	48.2	−0.5	92	9	2.71	−0.73	4.43	0.66	1.1	10	11	8	11
1931	48.4	−0.3	85	16	3.33	−0.11	5.93	1.00	2.5	10	14	6	10
1932	47.0	−1.7	86	14	1.71	−1.73	3.73	0.58	1.2	8	14	6	10
1933	50.9	+2.2	89	15	4.49	+1.05	6.20	2.19	0.5	13	12	8	10
1934	48.9	+0.2	86	14	3.06	−0.38	5.52	1.14	0.6	11	13	8	9
Period	48.7	....	98	−5	3.44	....	11.34	0.20	2.3	11	11	8	11

W. B. O. Philadelphia-5-26-34-1050

Climatological Data for April, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	48.2	−0.3	75	2	29	13	38	4.08	+0.32	1.39	T.	13	18	3	9	ne.	John A. Frick.
Altoona	Blair	1,615	47	48.2	+0.2	75	10	20	28	39	2.80	−0.31	0.99	T.	9	18	6	6	w.	F- E. Rooney.
Ardmore	Montgomery	350	2	51.2	+0.5	81	24	27	26	37	3.16	−0.89	0.98	0	9	....	....	....	......	H. G. Balderston.
Bedford	Bedford	1,060	2	51.4	....	79	10	24	28	45	2.58	....	0.88	T.	8	13	6	11	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	43.6	−4.2	73	10	22	28	41	3.04	−0.98	0.91	0.1	12	8	10	12	w.	U. S. Weather Bureau.
Bethlehem	Northamptou	364	49	51.8	+0.3	78	24	29	13	38	3.36	+0.13	0.83	T.	14	18	3	9	w.	Lehigh University.
Carlisle	Cumberland	467	68	52.1	0.0	80	24	25	26	41	2.79	−0.65	1.02	T.	8	17	5	8	s.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	51.3	+0.9	79	24	27	26	40	2.69	−0.85	1.20	T.	11	14	11	5	......	W. L. Gearhart.
Center Hall	Center	1,272	38	46.5	−1.7	70	2	22	28	36	2.91	−0.18	0.78	1.4	10	19	5	6	......	S. W. Smith.
Chambersburg	Franklin	580	35	51.8	+1.7	79	24	28	15	38	2.51	−0.58	0.77	T	9	11	8	11	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	47.0	−0.9	78	10	20	27	48	1.97	−1.70	0.60	T.	7	8	17	5	nw.	E. W. Hess.
Coatesville	Chester	380	47	50.5	−0.1	78	24	27	13	36	3.54	−0.23	1.10	T.	12	18	2	10	uw.	Howard L. Pyle.
Colebrook	Lebauon	560	23	48.5	−0.6	78	24	24	26	36	3.16	−0.94	1.13	T.	11	15	3	12	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	46.8	+0.1	76	10	18	28	44	2.27	−1.29	0.79	1.0	15	6	13	11	nw.	T. B. Lloyd.
Ephrata	Lancaster	380	42	51.5	+1.5	79	24	28	13	38	3.22	−0.31	1.24	T	11	13	8	9	s.	Ira J. Keath.
Freeland	Luzerne	1,970	41	45.0	−0.7	72	9	23	28	35	5.38	+1.02	1.85	1.5	15	11	8	11	se.	Theo. Reichmann.
George School	Bucks	190	28	49.8	−0.4	78	2	29	13†	39	3.58	−0.05	0.79	0	15	14	10	6	nw.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	52.4	+1.7	78	2†	28	28	37	2.46	−1.20	0.70	T	9	17	7	6	s.	Dr Henry Stewart
Gordon	Schuylkill	840	30	45.9	−1.8	70	24	21	26	40	4.04	−0.32	0.87	0	11	20	5	5	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	39.1	−2.3	66	18	20	12	37	3.04	−0.77	0.80	T.	9	13	8	9	sw.	Gustav Holtz.
Hamburg	Berks	535	41	49.0	−0.7	77	23	25	15	37	5.52	+1.40	1.38	T.	11	16	9	5	w.	State Sanatorium.
Hanover	York	600	30	52.6	0.0	80	2	28	28	35	2.98	−0.54	0.78	T.	10	15	6	9	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	50.8	−0.1	76	24	33	28	30	2.80	+0.11	0.89	T.	8	10	13	7	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	16	45.8	+0.2	75	24	20	29	45	3.21	−0.22	0.87	T	10	14	9	7	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	50.9	−0.7	75	24	35	13†	29	2.88	−0.05	0.82	0	14	12	10	8	......	H. W. Lowy, C. E.
Huntingdon	Huutingdon	650	47	49.4	−0.2	77	10	23	26	44	2.71	−0.73	0.90	T.	11	13	4	13	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	53.0	+2.3	82	10	21	28	48	2.05	−1.72	1.06	0.1	10	12	3	15	......	Horace A. Sheavly.
Kylertown	Clearfield	1,637	3	44.6	....	75	11	17	28	38	2.88	....	0.57	T.	11	17	13	0	s.	Bureau of Plant Industry.
Lancaster	Laucaster	255	47	51.4	+2.3	81	24	27	13	45	3.98	+0.49	1.42	0	9	18	7	5	e.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	48.2	+2.3	77	10	23	26†	46	1.14	−1.90	0.40	T.	7	13	7	10	......	C. P. Darling.
Lebanon	Lebanon	469	50	50.1	−0.3	78	2†	27	26	37	3.34	−0.14	1.20	T.	11	16	8	6	se.	Lebanon Valley Gas Co.
Lewisburg	Union	450	58	50.4	+1.0	77	24	23	26	40	2.89	−0.68	0.88	T.	10	13	6	11	w.	Prof. W. G. Owens.
Lock Haven	Clinton	560	44	50.4	+0.1	79	11	24	28	41	3.66	+0.21	0.90	1.0	10	10	13	7	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	54.8	....	77	23†	32	27	41	4.65	....	2.38	0	12	16	10	4	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	46.8	−1.8	68	2†	25	13	34	3.87	−0.09	0.82	T	11	14	9	7	s.	R. K. Wintermute.
Mifflin	Juniata	445	30	51.4	+1.4	78	24	24	26	43	1.93	−1.85	0.68	T.	8	11	15	4	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	45.4^b	+1.4	72^b	11	20^b	28	36^b	3.10	−0.44	0.75	2.0	9	14	4	12	s.	Mrs. Milton Smith
Mt. Pocono	Monroe	1,720	28	40.7	−1.8	75	24	20	28	45	4.11	+0.11	1.30	1.0	10	11	5	14	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	46.4	−1.2	73	9†	20	26	44	4.14	−0.03	1.47	1.0	10	12	10	8	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	49.0	−0.3	80	2†	27	5	45	3.51	+0.13	0.96	0	13	15	11	4	e.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	16	48.5	....	78	24	26	13	38	2.76	−0.46	1.05	T.	9	18	6	6	s.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	53.2	+1.1	79	2	35	28	30	3.11	+0.06	1.03	0	10	12	9	9	s.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	53.0	....	80	2	33	28	31	3.59	....	1.11	0	11	13	10	7	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	52.8	+1.4	80	2	37	5	33	3.22	−0.17	1.05	0	13	10	10	10	sw.	Commandant, Navy Yard
Phœnixville	Chester	100	24	52.2	+0.6	81	2	27	13	45	3.80	+0.27	0.95	0	14	15	11	4	nw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	49	48.4	−0.1	76	24	25	12	39	3.96	+0.61	0.87	0	14	15	8	7	nw.	John E. Benner.
Reading	Berks	514	64	50.8	+0.5	78	24	31	13	33	2.56	−0.71	0.93	T.	12	9	15	6	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	805	40	48.3	+0.2	76	24	29	28	35	2.27	−0.50	0.95	T.	9	9	9	12	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	44	50.2	+0.6	75	2†	25	26	45	2.90	−0.70	1.12	0.5	15	10	8	12	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	52.0	−0.2	79	24	31	13†	36	3.68	+0.38	1.07	0	14	11	10	9	s.	W. S. Guiles.
Shippensburg	Cumberland	660	1	51.7	....	77	24	29	15†	35	2.34	....	0.75	T.	11	11	11	8	w.	State Teachers College
State College	Center	1,217	50	48.6	+1.1	75	10	23	28	43	3.16	−0.24	1.08	T	8	9	15	6	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	46.7	−1.7	76	24	25	13	44	4.67	+0.61	1.26	T.	12	15	3	12	nw.	State Normal School.
Towanda	Bradford	754	40	47.1	+0.7	75	10	24	13†	43	2.40	−0.60	0.62	2.7	11	9	5	16	w.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	45.6	+1.0	76	30	18	28	46	1.68	−1.80	0.86	2.0	8	16	5	9	nw.	George W. Hill.
West Chester	Chester	455	85	50.6	+0.8	77	24	30	13†	33	2.50	−1.29	0.51	0	13	14	9	7	s.	Joseph W. Belt.
Williamsport	Lycoming	521	48	50.5	+1.6	75	9	26	26	41	4.15	+0.67	0.96	T.	15	11	9	10	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	49.5	−0.5	75	9†	24	28	37	3.02	−0.64	0.67	T.	10	11	12	7	se.	Susquehanna Collieries C
York	York	400	46	52.0	+1.1	81	24	28	13†	41	2.86	−0.30	0.98	0	10	16	10	4	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	51.0	+1.1	79	11	23	28	45	2.67	−0.41	1.05	T.	10	9	5	16	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	45.1	0.0	77	4†	15	28	47	2.19	−0.71	0.92	T.	8	4	12	14	......	John Fawcett.
Butler	Butler	1,077	21	47.6	−0.6	76	3	19	28	46	1.80	−1.64	0.78	T.	8	16	8	6	nw.	William C. Faust.
Chambersville	Indiana	1,047	4	48.8	−0.9	79	3	19	28	50	3.17	−0.77	0.74	2.5	13	10	2	18	nw.	John E. Lewis.
Clairton	Allegheny	1,020	2	50.1	....	84	3	24	28	43	1.84	....	0.61	T.	9	8	10	12	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	51.8	+1.0	82	3	20	28	45	4.02	+0.56	1.97	T.	14	17	4	9	n.	J. L. Melvin.
Corry	Erie	1,430	21	44.6	−0.1	75	30	16	28	43	2.44	−1.23	0.51	T.	17	12	14	4	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	West Penn. Power Co.
Derry	Westmoreland	1,172	37	50.9	+1.4	81	4	22	28	49	2.90	−0.88	1.34	T.	10	15	8	7	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	47.0	+2.0	74	3	22	28	39	2.63	−0.87	0.70	T.	10	15	10	5	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	44.6	−1.3	74	10	16	28	43	4 08	+0.04	1.35	6.0	7	18	5	7	w.	J. S. Stevanus.
Franklin	Venango	957	60	45.2	−0.9	77	30	18	28	48	2.38	−0.73	0.64	1.5	15	10	2	18	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	50.6	+0.1	82	3	22	28	46	3.38	−0.28	1.40	1.1	13	8	10	12	sw.	Westmoreland Water Co
Greenville	Mercer	950	38	48.2	+1.6	78	30	20	28	43	1.22	−2.19	0.49	0.9	9	10	8	12	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	47.4	−0.2	73	9†	23	28	46	2.35	−1.22	0.53	2.9	13	13	9	8	w.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	50.2	+0.4	82	3	25	28	47	3.08	−0.96	1.29	0.2	12	14	9	7	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	2	43.2	....	74	10	14	28	36	2.79	....	1.08	1.0	15	10	4	16	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	42	50.6	+0.9	79	3	23	28	42	2.61	−1.22	1.20	T.	9	7	17	6	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	47.3	+2.0	77	30	21	28	41	2.16	−1.22	0.82	T	13	14	2	14	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	49.1	....	78	3	23	28	38	2.40	....	1.13	T.	11	15	5	10	nw.	Fred Hoffman.
New Castle	Lawrence	808	54	47.0	−1.7	75	30	21	28	39	2.47	−0.52	0.91	1.1	12	11	16	3	sw.	New Castle Water Co.
Newell	Fayette	800	14	48.9	−2.5	78	4	23	28	37	2.91	−0.07	1.30	0	10	10	18	2	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	50.4	−0.8	79	3	29	28	37	2.41	−0.51	1.48	0.4	12	7	8	15	w.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	46.2	+0.2	86	30	16	28	51	2.47	−0.46	0.70	0.7	14	9	4	17	se.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	21	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Harry H. Gerber.
Somerset	Somerset	2,190	67	45.6	−0.8	76	3	16	28	51	2.74	−1.97	1.02	5.2	10	9	6	15	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	52.1	+0.9	80	3	21	28	45	2.77	−0.97	1.26	1.0	13	13	11	6	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	49.2	−1.8	80	3	23	28	49	2.93	+0.13	1.20	T.	11	15	7	8	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	44.2	−0.6	72	10	21	28	31	2.94	−0.61	0.78	8.3	19	12	8	10	nw.	Mrs. Anna Simpson
Waynesburg	Greene	1,035	6	51.8	....	81	3	22	28	44	4.69	....	2.50	T	14	10	13	7	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	45.0	−0.1	77	30	27	13	29	2.10	−0.63	0.76	3.0	16	10	12	8	w.	U. S. Weather Bureau.
For the State	....	......	....	48.9	+0.2	86	30	14	28	51	3.06	−0.38	2.50	0.6	11	13	8	9	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all comple reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for April, 1934

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown||	Lehigh	1.39			.16	.08	.04	.20	.08				.91		T.	.05	.07	.53			.37					.18			.02				4.08
Altoona	Juniata				.42			.50			.17	.82		.06	.18		.47			.05				.13									2.80
Ansonia||	W. Br. Susq	.57			.24	.02	.03	.09				.46	.74	T.	.04	.07	T.	.04	.02	.01	.01	T.		.09	T.		T.	.03	T.				2.46
Ardmore	Lower Del				.21		.10	.41				.60	T.	T.			.98	.04			.26				.30			.26					3.16
Baker's Summit	Juniata					.47		.46			.25	.53			.12		.32			.03				.20									2.38
Bedford	Juniata	.04			.88			.40				.56	T.	T.	.14		.43			.03				.10				T.					2.58
Bellefonte***	W. Br. Susq	T.		.02	.62		.44	.52			.17	.81	.01	T.	.05		.16			.09	T.	T.	.14	.01		T.		T.					3.04
Bethlehem	Lehigh	.68			.24		.03	.27				.32	.51	T.	.03	.02	.61	.08		.04	.25			T.		.25		.03					3.36
Bloserville‡‡	Lower Susq				.38		.50					.90	T.	T.	.05		.58			.08													2.49
Buffalo Mills	Juniata	.18			.31	.47		.33				.19	.15				.24	.08						.15									2.10
Carlisle	Lower Susq	T.			.37			.42				1.02	.03	T.	.01		.40			.24	.30		T.	T.				T.					2.79
Catawissa‡	N. Br. Susq	.01			.37		.10	.19				1.11	.09	.03	.12		.22			.33	T.				.12			T.					2.69
Center Hall	Susquehanna	.12			.68			.78					.42	.02	.02	.10		.46			.15			.16									2.91
Chambersburg	Potomac				.38			.37				.73	.05	T.	T.		.77			.06	.11			.01				.03					2.51
Clearfield	W. Br. Susq	T.						.60			.25	.35	T.	T	.30		.17			.07	T	T.	T.	.23		T.	T.	T.					1.97
Coatesville	Lower Del				.22		.01	.32				.87	.03		.02		1.10	.03		.05	.33			T.	.23			.33					3.54
Colebrook	Lower Susq	.02			.23		.03	.32				1.02	.11		.03		.62			.09	.57				T.	T.		.12					3.16
Conshohocken	Schuylkill				.17		.10	.42				.46	.11		T.		1.12		.01		.23					.30		.25					3.17
Cresson‡	Juniata				.41		.30	.11				.63			.18		.32			.05			.21					.04					2.25
Doylestown	Lower Del	.26			.13		T.	.27				.21	.37		.04		.89		.05	.15	.23			.02		.83		.28					3.73
Emporium	W. Br. Susq			.09	.70		.04	.07			.07	.71	T.	.07	.11		.04			.09	.04	T.	.07	.12	.01			.04					2.27
Ephrata	Lower Susq	T.			.18			.24				1.01	.23	T.	T.	.12	.82			.06	.15				.23	.02		.16					3.22
Forest City	N. Br. Susq	.66			.12		.24						1.90		.03		.41																3.36
Freeland||	Lehigh	1.85	T.		.41	.06	.04	.40	.08				1.12	T.	.03	.10	.04	.26			.47	.04				.34			.14				5.38
Galeton	W. Br. Susq	.05			.30		.05	.12			.12	1.00	.13		.24		.04							.16	.03			.06					2.30
George School	Lower Del	.32		T.	.12	T.	.02	.35			T	.52	.14	T.	T	.01	.79	.01	.01	.09	.31	T.		T.	.15	.54		.20	T.				3.58
Gettysburg	Potomac				.23			.52				.70	.03		T.		.69			.03	.18			T.	.02			.06					2.46
Girardville||	Lower Susq				.23	.12		.01	.10			1.54		.07	.06		.32			.31	.05				.26			.03					3.10
Gordon	Lower Susq	.30			.32		T.	.33				.87			.65	.12	.31			.25	.52	.05			.32			T.					4.04
Gouldsboro||	Lehigh	.55			.52	.28		.38					.52	.09				.27			.18					.25							3.04
Graterford	Schuylkill	.06			.16			.32				.63	.21		.02		.91	.04	.01		.39			T.	.51			.22					3.48
Hamburg	Schuylkill	1.38			.31		.08	.23				.48	.81		.07		.78			.91				.45				.02					5.52
Hanover	Lower Susq	.05			.19			.42				.33	.36	T.		T.	.78		T.	.05	.46			T.	.22			.12					2.98
Harrisburg***	Lower Susq				.28		17	.12			T.	.89	T.	T.	.05		.36			.52			T.		.41			T.					2.80
Hawley||	Upper Del	.75			.18	.12	.06	.29	T.				.87	T.	T.	.04	T.	.13			.48					.29			T.				3.21
Hollisterville	Upper Del	.48			.37	.17	.07	.14					.65	T.	T.			.25			.23	T.				.05							2.41
Holtwood|‡	Lower Susq				.04	.28		.28	.11			.40	.15			.01	.82		.05		.34			.01	.15	.04		.20					2.88
Huntingdon	Juniata	.04			.47			.47			.09	.81	.02	T.	.07		.56			.06			.10	.02									2.71
Hyndman	Potomac				1.06	.01		.08				.39	T.	.01	.03	.01	.31			.03				.12									2.05
Kylertown	W. B. Susq	.32				.57		.40	T.			.55	.30	.15		.20	.12	.10		T.	.03			.14									2.88
Lakeville||	Upper Del	.89	T.		.29	.19	.15	T.					.82	.01		.12	.05	.13	T.			.39				.14	.02						3.20
Lancaster	Lower Susq	.10			.26			.22				.42	.61				.70			.08					1.42			.17					3.98
Lansford||	Lehigh	*	1.72		.17	.05	.02	.27	*	.07			1.05			*	.15	.43			.94					.31			.05				5.23
Lawrenceville	N. Br. Susq	.10			.24		.05					.40	.10	T.	.10		T.			.15		T.				T.		T.					1.14
Lebanon	Lower Susq			.09	.15	T.	.26	.06			T.	1.20	T.	T.	.03	.23	.29			1.00			T.		.02		T.	.01					3.34
Lewisburg	W. Br. Susq	.05			.45			.44				.88	.18	.02	.07		.63			.16				.01									2.89
Lock Haven	W. Br. Susq	.19			.66		.02	.73				.90	.39	T.	.11		.35			.23			T.	.08		T.							3.66
Marcus Hook	Lower Del				.27		.47	.12				.75	.01		*		2.38			*			*	*	.37			.28					4.65
Matamoras||	Upper Del	.70			.18	.06		.45					1.50			.27		.32			.52					1.23			.04				5.27
Mauch Chunk	Lehigh	.34			.27		T.	.40				.82	.04		.03		.60			.16	.71				.44			.06					3.87
Mifflin	Juniata	.12			.15			.35				.68	T.	.04	.11		.40			.08	T.		T.										1.93
Montrose	N. Br. Susq				.20		.25				.75		.20	T.	.60		.40			.60	.05			T.		T.		.05					3.10
Morris Run	N. Br. Susq	.10			.30		.06					.91	.14	.06	.14	.04	.30	.08	.02			.04		.15									2.34
Mount Pocono	Upper Del				.30	.06		.50	T.			1.00	.25	T.	1.20	.10	.30				T.				.30	T.		.10					4.11
Muncy Valley	W. Br. Susq	.72			.33		T.	.28				.85	.62	.10	.04		.89	.08		.23	T.	T.											4.14
Neshaminy||	Lower Del	.03		T.	.13		.04	.35				.81	T.		.05		.96	07		.06	.31		T.	T.	.48		.02	.20					3.51
New Park	Lower Susq				.24			.20				.73	T.					.03		.76					.37			.27					2.60
Newport||	Juniata	1.07	T.		.10	.08		.20	.10			.07	.95	T.	T.	.10	.20	.20			.50			.01					T.				3.58
Palmerton‡	Lehigh				.16		.07	.15				.55	T.		.04		.40			.32					1.05			.02					2.76
Paupack||	Upper Del	.98			.24	.23		.29					1.10					.26			.57					.30							3.97
Philadelphia***	Lower Del	T.			.19		.08	.34				.62	T.	T	T.		1.03	.02		.02	.27		T.	T.	.27		T.	.27					3.11
Philadelphia-Gtn	...do				.18		.01	.34				.74	T.		T.	T.	1.11	.01		.03	.34			.03	T.	.51	.29						3.59
Phila. NavyYard||	...do				.02	.15		.48	.06				.65		T.	T.	.15	.90	.02		.25	.02				.23		.01	.28				3.22
Phila-P'nt Breeze.‡	Lower Del	T.			.22	T.	.01	.46				.68			T.		1.03	T.		.01			T.	T.	.25		T.	.31					2.97
Phoenixville	Schuylkill	.42			.20		.04	.26				.24	.32		.07	T.	.95	.05	.02	.10	.30			T.		.59		.24					3.80
Pine Grove	Lower Susq				.25		.28	.10				1.65		.10	.05		.50			.65			.01		.13			.02					3.74
Pleasant Mount	Upper Del					.40	.67						1.67	.08			.68			.12					.04								3.66
Pottstown	Schuylkill		T.				.12	.11					.03	T.	.03		.62		T.	.41	T.	T.	.02	T.	.17		.15						1.66
Pottsville	Schuylkill	.48			.25	.01		.27				.72	.80	.06	.06	.05	.37			.26	.59	.02		T.	.04	.08		.02					4.08
Quakertown	Lower Del	.54			.27	T.	.04	.24			.49	.48		.03			.87	.04		.03	.40			.02		.34		.17					3.96
Reading***	Schuylkill	T.		T.	.19		.11	.10				.91	.02	T.	.04		.51		T.	.35	.02		.01	T.	.15			.15					2.56
Renovo||	W. Br. Susq	.32			.70	.06	.04	.55				.56	.62	.01	.05	.07	.23			.10				.09				.02					3.42
Retreat	N. Br. Susq	.86			.57		.07	.10				.33	.59	.04	.08		.69			.08					T.			.16					3.57
Scranton***	...do	T		T.	.35		.33	.06				.77	.18	T.	.03		.38			.16	T.		T	T.	T.	T.		.01					2.27
Selinsgrove	Lower Susq	.08			.30		.01	.35				1.04	.08	.01	.23	.02	.59	T.		.14	.01			.02	.01			.01					2.90
Shawmont	Schuylkill	.18			.24		.02	.43				.30	.40				1.07	.02	.02	.12	.25			.02		.38		.23					3.68
Shippensburg	Lower Susq	.01			.18		T	.43				.75	.10	.01	T	T.	.66			.15	.02			.01				.02					2.34
Snow Hill‡‡	Upper Del				.38		.40	.10					1.66		.15		.52				.80				.92								4.93
State College	W. Br. Susq	T			.46		T.	.75			.12	1.08	T.	T.	.12		.37			.05		T.	T.	.21		T.							3.16
Stroudsburg||	Upper Del	1.15			.44	.12	.02	.26					1.26			.01	.07	.48			.38					.44			.04				4.67
Sunbury	Lower Susq	1.49			.01			.67	.04				1.24			.09		.58		.18	T.					.17			.01				4.48
Towanda	N. Br. Susq	.37			.30		.07	.13				.62	.55	T.	.11		.05	T.		.08	.08	T.			T.	T.		.04					2.40
Weikert	Lower Susq				.44			.65				1.02			.20		.40			.10													2.81
Wellsboro	W. Br. Susq	.20			.23		.06				T.	.86	T.	T.	.13		.08			T.	T	T.	.08	.04				T.					1.68
West Chester	Lower Del	.29			.22		.04	.38				.40	.11		.02				.02	.07	.34				.12	.20		.29					2.50
Westgrove||	...do	1.76			.01	.17	.02	.40	.06				.52	.02			.33	.91			.40					T.	.07		.18				4.85
Wilkes-Barre||	N. Br. Susq	1.46	T.		.30	T.	T.	.45	.02				.74	.02	T.	.10	.04	.30			.13	T.				.02			.05				3.63
Williamsport||	W. Br. Susq	.79			.49	.07	.01	.78	.02			.11	.96	T	.03	.29	.14	.20			.23	.01	T.	.02									4.15
Williamstown	Susquehanna	.10			.30		T.	.26				.67	.54	.06	T.		.34			.27	.43			T.	T.	T.		.05					3.02
York	Lower Susq	.05			.32			.28				.84	.14				.66			.08	.20				.12			.17					2.86
York Haven||	Lower Susq	1.10			.07	.20		.18	.07				1.03			.02	.25	.34			.25			.02		.06			.20				3.79
Zionsville..(near)	Schuylkill	.60			.26	.01	.02	.34				.62	.45		.07		.94	.06		.13	.39					.32		.09					4.30
Trenton, N. J***	Lower Del	.01			.10		.06	.31				.58		T.	.02		.78	.01		.01	.25		T.	.01	.41			.18					2.73

Continued on page 19.

Daily Precipitation for April, 1934—Continued from page 18

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio		T.		1.05	.40	.01	.30				.57	.10	.02	.05					.08			T.	.09				T.					2.67
Beaver Falls‖‖	Beaver	.02	T.		.81	1.02	.01	.25	T.			.49	.11	.06	.11	T.	T.	T.		.01		.06	.04	.06		T.		T.	T.				3.05
Brookville	Allegheny	.21			.53	T.		T.				.92	.14	.09	.11	.05								.14		T.	T.	T.	T.				2.19
Butler	Ohio				.78	.02		.08				.63	.03	.07		.15							.04			T.		T.					1.80
Chambersville	Allegheny				.74		.04	.73			.14	.62	.07	.03	.28		.03			.16	T.	T.	.01	.26		T.		.06					3.17
Clairton‡	Monongahela			T.	.61	.04	.52	.09			.20	.30	T.	T.	T.				T.	.02		T.	.05	.01		T.							1.84
Claysville	Ohio	.06			1.97		.12	.84			.30	.33	.12	.05	.10		.01	T.		.03	T.	T.	.03	.02		T.	T.	.04					4.02
Clymer‡‡	Conemaugh				.30		.08	1.00			.30	.48		.08	.14	.20	.64		.06	.06	T.		.24			T.		T.					3.48
Confluence‖‖	Youghiogheny				.62	.45		.68	T.			.13	.43	.08	.25		.20	.05		T.	T.			.22				.06	T.				3.17
Corry	Allegheny	.02		.14	.44		.08		.04		.14	.51	.10	.09	.21		.08					.04	.05	.20	.20	.04		.06					2.44
Coudersport	Allegheny																																
Derry	Conemaugh				1.34	T.	.05	.78			.06	.27	.05	.05	.15		.02			T.			T.	.10			T.	.03					2.90
Donora‖‖	Monongahela	.04			1.17	T.	.01	.65				.35	.04	.02	.03					.01				.05				.01					2.38
Ebensburg	Conemaugh				.70	T.	.03	.54			T.	.53	.02	T.	.35		.18			.04	T.	T.		.18				.06					2.63
Elk Lick	Youghiogheny				1.35		.38					.90	.30	.30		.75								.10									4.08
Franklin‖‖	Allegheny	.15			.64			.08				.42	.22	.07	.15	.09	.03	.03		.14	T.	T.		.13	.11	.04		.08					2.38
Greensboro	Monongahela	.08			.99	.70	T	.32	T			.30	.23	.12	.08	T.	.01	.02		.04				.08				.06	.01				3.04
Greensburg	Youghiogheny	.02			1.40		.42	.62			.12	.32	.03	.05	.12		T.			.01	T.	T.	.02	.15		T.	T.	.10					3.38
Greenville	Beaver				.49			.10			T.	.25	.03	.10	.03	T	T.			T.		T.	.08		.08	T.	.06	T.					1.22
Grove City	do				.35		T.	.09			.15	.53	.10	.02	.34	T.	T.			.05		.03	.05	.50	.08	.04		.02					2.35
Herrs Isl. Dam‖‖	Ohio	.07			.86	.66	.02	.29				.41	.20	.03	.03	.05				.01		T.	T.	.27		T.	T.	T.	T.				2.90
Irwin	Monongahela	.05			.85		.24	.37			.08	.25	.07	.04	.10		T.			.05			.08	.06			T.	T.					2.24
Johnstown	Conemaugh				1.29		.28	.15			.01	.47	.11	.05	.27		.27			T.			.05	.11		.02		T					3.08
Kane (near) ‡‡	Allegheny	.05			.69		.04				.18	1.08	.07	.03	.18		.08			.04	T.	.01		.12	.13	.01		.08					2.79
Kregar‖‖	Youghiogheny			.50	.87	T.	.73	.03			.10	.58	.23	.15	.12	.02	.05			.08			.15				.02	.12					3.75
Lake Lynn‖‖	Monongahela				1.40	.53		.21	.02			.25	.15	.39	.10	.14		.03		.03				.08				.12	.07				3.52
Linesville‖‖	Beaver	.03			1.03			T.				.67	.05	.13	.17	T	.02			.03				.21	.13	.06		.06					2.49
Lock No. 2‖‖	Ohio	.05			1.09	.56		.46				.92	.04	.03	.07	.02	.03			.06				.13									3.46
Lock No. 4‖‖	Monongahela	.14			.77	.50	.02	.65				.33	.10	.11	.08	.01		T.		.02				.08				.02	.01				2.84
Lock No. 5‡‡‖‖	Allegheny	.33	.01		.88	.40	.03	.37	T.			.48	.04	.02	.05	.10				.02			.03	.22				.02	T				3.00
Lycippus	Conemaugh				1.20			.70			.12	.20	T.	T.	.18		.03						.07	.06				.05					2.61
McKeesport‖‖	Monongahela				.61	.53	.01	.42				.42	.06	T.	.01	.04				.02				.06				T.					2.18
Meadville	Allegheny	.04			.82		.10				.06	.43	.10	.10	.09		.02							.17	.09	.07		.07					2.16
Mosgrove	do	.20	T		.42	.17	.05	.15	T.			.55	.15	T.	.04	.16	T.			.10			.02	.18	.02	T.		T	T.				2.20
Mount Lebanon	Ohio	.01		T	1.13	.02	.23	.20			.13	.30	T.	T.	.15					.03	T.	T.	.18			T.		.01					2.40
Natrona‖‖	Allegheny	.35			.70	.50	.04	.43				.62	.20	.05	.03	.09				.10			.03	.27				.01	T.				3.42
New Castle‖‖	Beaver	.01			.91	.16	.03	.11				.75	.04	.04	.15	T.	T.						T	.21	.04	.02	T.	T.					2.47
Newell	Monongahela		.09		1.30	.02	.03	.72			.10		.30				.20	T.	T.		T			.10					.05				2.91
Parkers Landing‖‖	Allegheny	.14	.01		.61	.05	T.	.06				.61	.14	T.	.17	T	T.			.03			T.	.15	.02	T.		.02	T				1.90
Pennline‖‖‡‡	Beaver	.06			1.15		.03					.65	.03	.10	.10		.04	T.			T.	T.		.22	.11	.07			.14	.02			2.72
Pittsburgh***	Ohio			.11	1.37	.01	.19	.11			.02	.25	.02	.02	.06	T.	T.			T.	T.	T.	.24	T.	T.	T.	T.	.01					2.41
Punxsutawney‖‖	Allegheny				.42				.28			.58	.25		.28	T.							.45					.10					2.36
Ridgway	do	.16			.63		.03		.04			.70	.52	T	.03	.12		.03		.02	T.	T.	.02	.10		.01		.06					2.47
Saltsburg‖‖	Conemaugh	.10			.71	.31	.04	.56				.50	.07	.07	.06	T.	.02			.16				.21				.03	T.				2.84
Sharon‖‖	Beaver																																
Smethport	Allegheny	.16			.51	T.	.15					.86	.51	.01			T.	.05		.02			T.	.12	.12	T.							2.51
Somerset	Youghiogheny	.08			1.02		T.	.35			T.	.35	.06	.10	.30	T.	.20	T.		T.	T.	T.	T.	.23		T.	T.	.05					2.74
Springdale‖‖	Allegheny	.25			.63	.65	.04	.43				.45	.12	.03	.05	.06		.02		.02		T.	T.	.35				.03	.01				3.14
Uniontown	Monongahela	.02			1.26		.21	.40			.14	.20	.09	.11	.11		.05		T.	.01			.03				T.	.14					2.77
Unity Reservoir‡‡	Youghiogheny				1.36		.10		.76		.10	.26	.04	.10	.13		T.			T.	T.	T	.05	.07	T.	T	T.	T					2.97
Vandergrift‡	Conemaugh				1.20	.03	.61				.19	.43	.04		*	.07	.01			.04			.31										2.93
Warren	Allegheny			.20	.22		.10	.06			.40	.78	.82	.18	.10		.04	.08		.04		.05		.08	.13	.02	.03	.08	.03				2.94
Waynesburg	Monongahela	.05			2.50		.33	.65			.14	.34	.23	.11	.06			.03		.03		T	.10	.06				.06					4.69
Westford‖‖	Beaver	.03		.78		.02		.02				.50	.02	.04			.03						.25	.12	T.								1.81
West Newton‖‖	Youghiogheny	.15			.72	.69	.03	.54				.33	.09	.05	.02					T.				.06				.02	T.				2.70
Lake Drainage.																																	
Erie***	Lake Erie	.04		.64	.02	T.	.03				.10	.76	.05	.03	.03	.04	.06				.02	T.	.15	.12	.09	T.		.02					2.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.96	30.47	30	29.28	11	12.7	38	sw.	26	75	69	71	57
Harrisburg	29.99	30.68	30	29.38	11	7.8	24	sw.	24	70	53	56	63
Philadelphia	30.03	30.71	30	29.38	12	11.8	33	n.	20	70	63	59	64
Pittsburgh	29.99	30.56	30	29.34	11	10.6	40	nw.	3	77	57	58	59
Reading	30.00	30.70	30	29.40	11	12.0	41	se.	11	68	52	59	62
Scranton	29.99	30.64	30	29.36	12	6.9	26	se.	11	74	53	59	52

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.9	6.8	13	3.2	30	18
Phillipsburg	Delaware	6.6	9.4	13	4.5	30	22
Mauch Chunk	Lehigh	4.8	7.5	1	3.4	30	17
Wilkes-Barre	Susquehanna	10.4	16.6	2	5.4	30	20
Williamsport	Susquehanna	6.1	11.4	13	2.7	30	20
Harrisburg	Susquehanna	7.1	9.9	14	4.8	30	17
Greensboro	Monongahela	12.9	17.8	4	11.3	26	30
West Newton	Youghiogheny	2.8	8.7	5	0.9	30	20
Lock No. 4	Monongahela	14.1	20.1	5	12.1	26	30
Pittsburgh	Ohio	14.1	19.4	5	11.5	30	25
Beaver Dam	Ohio	12.2	21.2	5	8.4	28	30

Daily Temperatures for April, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	60	75	67	46	58	52	56	62	71	66	51	43	48	51	45	49	68	71	65	61	52	57	66	72	53	60	58	55	59	64	....	58.8
	Minimum	36	37	40	43	30	35	40	33	37	41	42	36	29	32	32	40	44	41	50	47	35	30	38	53	38	30	42	30	30	35	....	37.6
Altoona	Maximum	68	70	72	68	46	70	65	61	70	75	68	46	41	42	62	59	64	68	68	58	41	57	68	68	49	61	50	53	65	69	....	60.8
	Minimum	33	15	33	43	39	43	46	32	35	40	43	29	24	30	26	45	38	35	50	32	27	28	40	49	32	27	36	20	30	34	....	35.5
Bedford	Maximum	74	74	77	73	50	78	72	70	78	79	71	50	44	42	67	65	63	71	72	67	50	63	76	77	63	62	55	57	67	70	....	65.9
	Minimum	37	39	32	50	41	44	50	32	35	37	47	31	29	32	26	48	39	31	54	36	26	32	43	54	33	26	40	24	28	35	....	37.0
Bellefonte	Maximum	62	69	72	53	54	67	59	64	73	73	54	38	41	46	62	55	63	70	64	53	47	57	68	66	42	61	47	54	63	68	....	58.8
	Minimum	35	35	33	40	31	47	41	31	32	38	34	28	29	32	26	45	35	32	48	34	29	25	44	36	28	23	28	22	33	39	..	33.8
Brookville	Maximum	41	63	67	77	52	59	72	63	66	77	76	69	38	40	47	65	59	62	72	69	45	46	56	69	57	45	55	60	56	74	....	60.0
	Minimum	30	31	20	38	38	40	40	25	21	30	44	30	25	27	22	39	30	27	42	25	22	22	41	39	30	18	36	15	29	30	....	30.2
Butler	Maximum	65	65	76	72	65	71	69	67	75	73	72	54	35	38	66	65	60	60	70	61	58	55	65	70	65	52	50	51	50	73	....	62.3
	Minimum	33	33	10	43	40	51	34	31	41	37	46	29	25	25	28	26	40	25	51	32	25	24	32	40	32	23	32	19	21	27	....	32.8
Carlisle	Maximum	71	77	73	71	60	64	69	68	75	76	73	49	47	53	64	56	67	73	70	61	54	64	71	80	72	66	57	60	65	70	....	65.9
	Minimum	37	46	39	45	30	45	45	36	36	39	44	35	27	32	26	43	41	40	50	44	32	32	51	56	35	25	45	30	30	34	....	38.3
Catawissa	Maximum	59	75	74	65	66	59	61	66	75	71	65	50	47	51	63	61	68	74	71	62	52	58	68	79	66	61	58	59	64	72	....	64.1
	Minimum	38	37	40	43	33	41	45	32	35	40	44	35	30	34	29	47	40	35	54	40	40	48	42	47	37	27	40	28	29	41	....	38.5
Chambersburg	Maximum	74	77	73	68	55	65	63	67	74	77	67	49	47	52	65	60	67	73	64	60	53	63	73	79	64	61	58	59	65	70	....	64.7
	Minimum	38	42	38	45	42	46	46	36	39	41	42	35	31	33	28	43	45	35	51	43	31	33	48	53	38	30	43	29	31	36	....	39.0
Chambersville	Maximum	66	68	79	75	75	73	73	65	73	77	63	44	40	42	67	68	62	71	69	58	46	60	68	66	48	59	46	54	73	75	....	63.4
	Minimum	31	49	29	42	40	43	42	28	31	39	41	28	25	30	24	50	29	30	54	32	22	28	42	44	30	24	33	19	29	40	....	34.3
Claysville	Maximum	73	72	82	78	74	79	63	70	72	75	68	42	41	46	72	68	66	74	70	70	47	57	73	73	48	54	48	59	78	79	....	65.7
	Minimum	39	50	37	48	43	52	41	38	38	41	40	30	27	33	29	49	32	34	56	35	25	34	46	47	32	31	37	20	36	41	....	38.0
Clearfield	Maximum	64	69	75	70	62	65	63	66	76	78	60	43	40	42	64	58	63	72	71	57	47	56	70	68	48	61	48	57	70	75	...	61.9
	Minimum	34	33	27	39	35	30	40	28	28	30	35	30	26	29	24	40	32	38	52	31	28	26	40	46	33	29	20	21	30	33	....	32.2
Coatesville	Maximum	63	77	70	55	60	59	57	64	73	70	58	51	52	58	62	57	68	73	69	63	55	62	71	78	58	61	54	54	61	66	....	62.6
	Minimum	39	41	43	42	29	37	43	37	38	44	40	32	27	32	31	41	49	44	46	47	35	31	46	53	37	29	45	30	31	34	....	38.4
Corry	Maximum	58	60	68	48	60	60	53	62	72	72	58	34	35	39	61	55	65	71	66	55	46	50	65	67	37	55	47	52	72	75	....	57.3
	Minimum	32	41	29	39	31	44	35	25	32	38	29	25	24	28	32	38	27	33	50	28	27	23	40	36	28	24	28	16	29	44	....	31.8
Coudersport	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Emporium	Maximum	58	66	70	60	53	72	61	63	72	76	56	56	39	43	63	58	62	71	68	52	45	55	68	61	42	59	50	53	67	74	....	59.8
	Minimum	36	34	28	45	31	45	42	28	28	35	37	31	30	32	26	49	35	30	47	29	33	27	46	42	33	21	32	18	28	37	....	33.8
Erie	Maximum	62	58	51	40	55	60	46	58	64	72	51	34	37	37	62	48	62	69	62	41	43	54	67	55	37	57	42	45	69	77	....	53.8
	Minimum	34	41	36	34	34	36	35	34	44	47	31	28	27	32	34	37	39	42	41	35	33	32	47	33	32	36	32	27	40	52	....	36.2
Franklin	Maximum	64	66	75	53	61	71	58	65	76	75	60	38	37	39	64	59	67	70	61	45	49	55	68	47	43	55	37	53	73	77	....	58.7
	Minimum	32	35	30	32	40	40	39	27	28	32	38	30	26	27	27	35	29	32	39	30	26	24	42	41	32	24	34	18	29	36	....	31.8
Freeland	Maximum	53	69	67	57	57	46	51	58	72	67	52	39	42	47	59	51	64	70	61	54	46	52	60	70	56	57	47	47	59	64	....	56.5
	Minimum	35	40	32	35	30	34	37	32	41	41	37	27	24	28	27	27	36	44	46	39	29	30	39	48	28	25	34	23	30	34	....	33.4
Gettysburg	Maximum	70	78	73	67	59	62	62	66	73	76	68	50	51	55	64	61	68	73	66	65	54	62	73	78	63	60	58	57	64	66	....	64.7
	Minimum	36	43	43	45	38	44	47	41	46	44	44	35	30	34	30	43	46	36	48	48	32	36	49	54	37	31	46	28	33	37	....	40.1
Greensburg	Maximum	70	70	82	76	66	75	63	66	73	76	64	43	41	42	71	63	62	74	67	58	45	60	70	69	46	57	47	55	76	78	....	63.5
	Minimum	36	52	36	49	41	48	43	34	39	45	43	30	27	32	30	51	33	32	55	37	27	32	46	45	31	29	35	22	33	42	....	37.8
Grove City	Maximum	62	62	70	70	61	61	58	62	73	73	66	33	35	38	61	60	64	69	69	56	42	45	65	65	40	49	48	54	71	72	....	58.5
	Minimum	35	58	36	39	31	39	31	36	43	52	31	29	25	33	31	42	30	44	54	40	29	29	37	38	33	38	32	23	25	47	....	36.3
Hamburg	Maximum	63	75	74	68	59	58	58	65	72	72	65	48	48	55	62	60	68	71	70	60	50	67	77	60	50	57	59	56	60	65	....	62.4
	Minimum	39	40	41	41	27	40	42	32	41	43	41	35	26	30	25	39	44	36	48	37	32	43	41	31	32	26	34	30	27	28	....	35.7
Harrisburg	Maximum	67	75	68	56	58	59	60	66	70	71	52	42	45	51	62	57	66	71	60	60	52	60	70	76	46	58	53	56	61	66	....	60.5
	Minimum	39	46	48	42	33	45	44	44	43	48	41	35	34	37	35	43	48	43	54	43	36	39	51	46	39	34	36	33	37	39	....	41.2
Hawley	Maximum	51	71	68	64	62	57	51	58	71	69	62	44	45	48	60	57	65	73	68	59	50	54	64	75	57	60	52	49	63	71	....	59.9
	Minimum	35	31	30	36	26	29	37	25	26	29	39	31	21	24	24	40	38	30	42	41	28	21	43	50	33	25	38	26	20	31	....	31.6
Huntingdon	Maximum	70	73	75	65	53	72	61	68	75	77	60	51	44	49	64	58	65	72	68	57	50	60	73	69	48	63	54	57	67	70	....	62.9
	Minimum	37	36	31	45	42	46	47	30	32	36	46	33	32	33	25	46	35	31	54	37	26	27	42	44	36	23	32	27	28	35	....	35.8
Johnstown	Maximum	70	71	82	68	49	75	61	67	75	78	60	40	40	43	70	61	65	74	72	58	47	59	73	66	46	60	49	57	72	76	....	62.8
	Minimum	35	45	35	48	42	45	46	34	36	39	39	32	29	34	30	48	39	34	53	29	29	33	44	45	34	30	35	25	31	37	....	37.5
Lancaster	Maximum	66	78	80	63	61	61	60	66	73	72	71	63	56	60	63	64	70	72	72	65	62	62	72	81	67	63	59	58	62	65	....	66.2
	Minimum	36	38	35	34	31	34	35	33	35	38	30	33	27	31	28	44	46	37	48	50	34	31	49	55	36	28	46	29	30	34	....	36.5
Lawrenceville	Maximum	57	73	72	59	60	63	61	67	71	77	69	46	45	48	62	61	68	70	72	53	44	54	70	67	53	60	56	68	70	74	....	62.3
	Minimum	36	35	29	39	26	39	37	27	31	32	44	31	26	28	28	46	32	31	48	31	30	25	44	53	33	23	36	23	44	40	....	34.2
Lebanon	Maximum	64	78	70	48	59	58	59	66	73	71	52	45	47	55	62	59	67	72	64	60	54	60	70	78	63	61	52	56	62	66	....	61.7
	Minimum	34	41	43	45	30	39	44	35	38	47	42	34	30	33	28	42	44	38	52	48	33	33	46	52	35	27	43	28	33	37	....	38.5
Marcus Hook	Maximum	76	76	75	66	56	56	63	67	66	66	64	56	59	60	62	65	72	68	68	68	65	72	77	77	77	60	60	66	65	69	....	66.6
	Minimum	45	47	44	36	40	45	45	42	47	43	38	36	40	37	44	52	47	51	48	40	37	50	55	41	36	48	32	40	41	44	....	43.0
Mifflin	Maximum	68	77	75	72	61	66	67	73	76	76	74	49	49	51	65	53	66	73	71	62	54	61	73	78	72	64	59	57	67	72	....	66.0
	Minimum	38	37	34	45	31	45	46	42	33	38	44	34	30	31	26	38	40	33	51	39	31	28	45	52	36	24	44	25	30	34	....	36.8
Montrose	Maximum	....	...	65	56	54	50	48	55	68	63	72	59	40	43	54	55	61	68	61	54	51	54	63	71	57	57	54	53	60	65	....	57.5[b]
	Minimum	....	....	53	37	24	31	36	25	34	39	39	26	23	29	21	33	34	38	47	35	23	30	41	51	30	21	34	20	36	40	....	33.2[b]
Muncy Valley	Maximum	52	70	70	65	56	54	53	61	73	73	68	46	43	43	57	53	65	72	70	53	48	54	64	71	71	59	57	51	64	63	....	60.0
	Minimum	35	32	31	36	30	35	39	30	29	33	43	30	24	28	23	39	42	30	47	34	29	23	42	49	30	20	39	21	24	39	....	32.9
Philadelphia	Maximum	63	79	69	53	58	56	58	65	69	67	56	49	51	57	61	58	69	75	68	64	65	62	69	78	54	58	55	54	61	66	....	61.9
	Minimum	44	49	49	43	40	40	45	46	46	45	45	40	39	41	41	46	52	52	53	48	42	43	51	54	43	39	41	35	42	42	....	44.5
Pittsburgh	Maximum	69	68	79	60	68	73	58	65	74	73	62	37	40	43	69	61	65	71	63	48	46	55	69	63	42	53	46	56	74	75	....	60.8
	Minimum	38	51	42	46	45	47	40	39	43	51	34	30	30	35	36	46	38	44	48	36	32	38	49	36	34	36	32	29	40	51	....	39.9
Quakertown	Maximum	60	74	70	62	57	54	55	62	70	67	45	49	55	58	60	57	68	70	66	62	54	59	66	76	71	59	54	53	59	64	....	61.2
	Minimum	38	35	39	40	27	36	41	34	33	38	35	25	27	30	34	36	43	37	45	44	32	26	45	52	37	28	45	29	26	30	....	35.6
Reading	Maximum	62	75	70	52	60	58	58	65	74	67	51	44	50	56	62	57	68	71	69	60	51	60	69	78	47	60	56	54	60	65	....	61.0
	Minimum	40	42	46	39	33	43	43	42	46	45	41	35	31	37	35	43	49	48	53	43	37	35	48	47	38	34	36	32	36	40	....	40.6
Ridgway	Maximum	62	68	74	47	57	74	63	65	76	84	64	44	40	42	64	61	62	74	69	57	45	58	70	59	46	64	44	55	73	86	....	61.6
	Minimum	31	35	27	38	33	37	39	34	26	33	44	28	25	27	23	32	30	28	41	26	27	22	34	43	30	17	35	16	28	35	....	30.8
Scranton	Maximum	53	73	67	54	60	52	50	60	71	72	50	45	45	48	62	60	64	73	66	56	49	55	66	76	43	59	51	50	63	71	....	58.8
	Minimum	41	39	39	39	34	40	39	38	36	46	45	32	30	32	32	48	42	39	48	39	36	30	48	43	36	30	33	29	29	41	....	37.8
Selinsgrove	Maximum	61	75	71	61	59	60	58	67	75	73	70	50	46	53	61	59	64	73	71	60	53	60	69	74	69	61	59	56	63	68	....	63.3
	Minimum	36	37	38	43	30	44	43	32	30	40	44	34	29	28	31	43	40	38	52	39	32	31	47	55	34	25	44	26	28	40	....	37.1
Somerset	Maximum	67	66	76	70	49	71	68	61	70	72	60	41	36	39	64	60	63	66	68	57	41	55	68	67	46	55	46	50	64	66	....	59.4
	Minimum	31	40	25	46	36	39	43	26	30	31	41	26	22	28	24	47	30	26	50	30	21	26	42	46	26	24	31	16	23	26	....	31.7
State College	Maximum	65	70	71	62	52	66	60	66	74	75	58	44	43	46	62	57	65	70	66	59	47	58	70	67	45	61	49	66	65	71	....	61.0
	Minimum	34	42	36	43	37	45	43	35	37	43	42	30	27	31	27	43	37	36	52	36	27	28	40	44	31	27	36	23	30	41	....	36.1
Stroudsburg	Maximum	60	74	70	50	59	47	60	64	74	67	49	43	47	51	58	56	68	64	62	60	50	57	64	76	50	58	53	52	58	65	....	59.2
	Minimum	46	33	33	43	30	32	38	30	30	36	43	35	25	28	28	39	43	35	46	45	33	26	36	50	37	28	38	31	26	33	....	35.2
Towanda	Maximum	55	73	65	55	63	58	53	62	72	75	60	46	46	48	60	56	66	70	63	54	48	55	68	73	45	62	53	51	65	73	....	59.8
	Minimum	37	36	30	41	26	38	38	29	29	33	43	30	24	28	25	46	37	31	48	38	32	26	47	44	35	24	34	26	24	52	....	34.4
Uniontown	Maximum	73	74	80	77	69	76	65	70	75	76	65	41	41	45	73	66	66	76	72	60	48	58	71	68	50	54	50	54	76	77	....	64.9
	Minimum	41	50	35	51	43	50	45	34	40	42	41	31	29	34	29	53	37	39	58	37	33	36	48	50	31	30	38	21	33	41	....	39.3
Vandergrift	Maximum	69	72	80	58	64	74	62	68	74	77	66	48	35	43	68	62	65	74	70	50	43	59	59	65	47	59	47	55	73	77	....	62.1
	Minimum	44	43	31	46	43	49	40	33	35	41	35	32	29	33	31	41	35	34	45	33	28	33	46	36	34	35	29	23	30	38	....	36.2
Warren	Maximum	56	60	65	49	54	67	55	58	60	72	65	40	35	38	47	54	58	62	50	44	40	52	60	50	44	54	48	40	60	68	....	53.5
	Minimum	36	44	34	40	37	46	40	30	35	40	40	29	30	30	26	40	35	34	40	36	31	28	40	42	31	26	31	21	34	45	....	35.0
Waynesburg	Maximum	71	72	81	76	76	78	63	68	74	74	63	41	41	45	73	67	65	76	71	60	49	57	70	69	48	53	50	57	75	79	....	64.7
	Minimum	41	53	37	51	40	53	43	35	38	42	41	30	29	34	30	50	36	34	58	39	29	36	47	47	32	29	39	22	32	40	....	38.9
Wellsboro	Maximum	59	72	68	54	62	65	63	67	72	75	58	47	42	46	62	53	64	70	64	50	48	54	69	68	44	60	48	44	68	76	....	59.7
	Minimum	38	33	26	38	31	35	36	25	27	29	41	29	21	24	25	41	28	28	46	28	26	20	47	44	32	21	30	18	36	40	....	31.4
Williamsport	Maximum	61	74	67	63	58	59	62	68	75	74	68	47	46	48	62	60	67	73	68	58	51	57	69	73	70	64	58	58	63	70	....	63.0
	Minimum	39	38	36	44	34	45	43	34	34	40	45	35	29	34	28	44	37	36	52	40	36	29	48	57	36	26	42	27	30	41	....	38.0
Williamstown	Maximum	61	73	72	69	59	56	57	61	75	72	67	47	39	47	60	58	64	71	69	57	52	52	67	75	68	58	54	53	61	66	....	61.3
	Minimum	35	47	38	39	32	39	41	44	48	47	38	30	26	31	30	40	41	44	49	42	29	36	40	52	31	29	39	24	33	37	....	37.7
York	Maximum	69	79	76	74	64	60	59	69	75	76	72	50	51	58	66	65	67	75	70	64	57	63	75	81	61	62	58	58	67	70	....	66.4
	Minimum	33	40	35	45	31	44	46	34	36	38	43	34	28	31	28	45	43	35	46	46	30	35	50	51	32	28	46	28	30	34	....	37.5

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

JUL 12 1934

VOL. XXXIX. MAY, 1934. No. 5.

GENERAL SUMMARY.

Temperatures for May averaged nearly three degrees above the normal despite the fact that frosts and freezing occurred later than usual. Freezing occurred in the northern counties as late as the 26th. No serious damage to crops resulted, but corn was slow in germinating. A precipitation deficiency has accumulated monthly since the first of the year, and May increased this average shortage by 1.39 inches. At the end of May the accumulated deficiency since January first averaged 4.62 inches, or about 25 per cent. It varied from less than two inches in the southeastern counties to more than six inches in the western portion of the State. As a result there was a wide variation in crop conditions over the State. South and east of the mountains the crops were fair to good, although grass lands were generally needing rains. The winter grains made satisfactory progress, and the outlook generally improved during the month. At the close of the month the wheat was mostly headed and rye was in bloom. First plantings of corn were up to good stands, and were being cultivated, but growth was slow on account of the large temperature deficiency during the fourth week. In the western counties the conditions were vastly different, the soil being so dry in some places that seeds could not germinate. When crops did come up the growth was very slow. The small grains were short of straw, while pastures and meadows were drying up. The soil was so hard and cloddy that good cultivation was impossible. The drought condition seemed to be the most critical that has occurred in many years, not excepting the dry season of 1930. In that year the accumulated deficiency at the end of June was generally less than it was at the end of May this year. In other words, the drought did not become severe until the small grains and early crops were well on towards maturity. A shortage of moisture early in the season results in damage from which there is small chance of recovery, and the end of May brought the poorest crop outlook in western and northern counties that has been experienced in many years. The chief potato growing regions of the State are in the Delaware drainage basin, and early varieties were generally fine. Late varieties were mostly planted during the last half of the month, and in some places they were slow in germinating. The condition of orchard fruits did not change much during the month. The berry crop was in fine condition in the southeastern counties and generally fair elsewhere. Tobacco was set out in the fields under favorable conditions, but at the end of the month was generally needing rain.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 91 stations, was 62.2°, which is 2.8° above the normal for May. The highest monthly mean was 67.8°, at Marcus Hook, and the lowest was 52.2°, at Gouldsboro, The highest temperature recorded during the month was 98°, at Mifflin on the 21st, at Phœnixville on the 22d, and at Claysville on the 31st. The lowest temperature recorded was 22°, at Gouldsboro on the 2d. The greatest daily range in temperature was 53°, at Hyndman on the 13th and at Ridgway on the 1st.

PRECIPITATION.

The average precipitation for the State, based on the reports from 146 well-distributed stations, was 2.51 inches, which is 1.39 inches less than the May normal, The greatest monthly amount was 6.80 inches at Marcus Hook, while the least, 0.37 inch, was reported from McKeesport. The greatest amount recorded in any 24 consecutive hours was 1.92 inches at Chambersburg on the 21st.

The normal snowfall for May is a trace, but no station reported any during the month.

COMPARATIVE DATA FOR MAY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888........	57.3	−2.1	91	24	4.24	+0.34	8.41	2.26	T.	16	4	11	16
1889........	60.4	+1.0	96	25	5.91	+2.01	12.41	2.51	0	11	11	9	11
1890........	58.5	−0.9	89	23	6.71	+2.81	12.41	2.96	0	15	7	11	13
1891........	57.3	−2.1	93	20	2.12	−1.78	4.41	0.31	0.2	8	10	10	11
1892........	58.5	−0.9	91	28	5.70	+1.80	9.30	3.77	0	16	7	10	14
1893........	57.9	−1.5	93	26	5.54	+1.64	9.20	2.92	0	12	11	8	12
1894........	60.8	+1.4	92	27	8.88	+4.98	15.02	2.72	0	16	9	8	14
1895........	60.6	+1.2	102	22	2.68	−1.22	6.46	0.86	0	9	13	10	8
1896........	65.4	+6.0	98	31	2.85	−1.05	6.30	1.19	0	10	10	12	9
1897........	57.7	−1.7	88	25	5.24	+1.34	10.05	1.71	T.	12	11	10	10
1898........	60.0	+0.6	94	22	5.11	+1.21	10.15	2.79	0	15	8	9	14
1899........	61.1	+1.7	100	24	3.82	−0.08	6.40	1.15	0	11	10	11	10
1900........	60.4	+1.0	96	20	2.79	−1.11	7.63	0.72	T.	9	13	9	9
1901........	58.9	−0.5	91	28	5.56	+1.66	7.96	2.24	0	15	8	9	14
1902........	59.8	+0.4	95	25	1.96	−1.94	4.45	0.29	0	8	13	11	7
1903........	61.8	+2.4	94	18	1.67	−2.23	4.65	0.22	0	7	16	9	6
1904........	61.6	+2.2	94	21	3.78	−0.12	7.50	2.07	0	11	12	10	9
1905........	60.8	+1.4	93	22	2.59	−1.31	5.17	0.56	0	12	11	9	11
1906........	60.0	+0.6	99	23	3.23	−0.67	5.59	0.93	0	10	12	10	9
1907........	54.8	−4.6	91	19	3.08	−0.82	6.38	1.44	0.1	11	11	9	11
1908........	61.2	+1.8	96	22	6.28	+2.38	10.95	3.19	0.3	15	10	10	11
1909........	59.2	−0.2	92	23	2.90	−1.00	5.52	1.51	0.1	10	12	10	9
1910........	56.8	−2.6	88	24	3.38	−0.52	6.08	1.73	0	12	11	10	10
1911........	65.2	+5.8	99	20	1.97	−1.93	6.81	0.42	0	7	17	10	4
1912........	61.2	+1.8	91	28	3.15	−0.75	5.99	0.99	0	11	14	8	9
1913........	58.5	−0.9	93	21	3.86	−0.04	6.45	0.48	0	10	13	8	10
1914........	61.5	+2.1	96	19	3.34	−0.56	6.52	0.90	0	9	16	9	6
1915........	56.2	−3.2	84	21	4.16	+0.26	7.45	2.29	0	14	10	8	13
1916........	61.0	+1.6	93	26	3.19	−0.71	6.09	1.49	T.	13	12	11	8
1917........	53.3	−6.1	90	20	3.39	−0.51	8.09	1.65	T.	13	9	10	12
1918........	65.1	+5.7	95	21	5.04	+1.14	8.37	1.81	0	14	13	12	6
1919........	59.5	+0.1	98	27	5.80	+1.90	13.59	2.86	0	14	13	7	11
1920........	56.6	−2.8	92	18	2.02	−1.88	3.65	0.67	0	8	17	8	6
1921........	59.8	+0.4	93	22	3.93	+0.03	8.17	0.79	0	11	14	8	9
1922........	62.5	+3.1	96	20	3.21	−0.69	7.14	1.69	0	10	15	8	8
1923........	58.3	−1.1	93	20	3.50	−0.40	7 43	1.23	0.6	8	19	6	6
1924........	54.6	−4.8	92	18	5.71	+1.81	9.64	3.31	0	17	9	9	13
1925........	55.2	−4.2	98	22	3.49	−0.41	7.98	1.02	0.2	11	13	10	8
1926........	58.8	−0.6	95	18	1.78	−2.12	5.52	0.62	0	8	17	10	4
1927........	58.2	−1.2	92	23	4.14	+0.24	7.23	1.75	0	16	9	9	13
1928.......	58.0	−1.4	95	20	2.23	−1.67	5.10	0.65	0	10	15	9	7
1929........	58.5	−0.9	97	23	4.81	+0.91	8.43	1.96	T.	14	13	9	9
1930........	61.2	+1.8	99	25	3.03	−0.87	6.39	1.03	0	10	15	8	8
1931........	59.8	+0.4	98	19	5.28	+1.38	12.97	2.33	T.	15	13	9	9
1932........	59.8	+0.4	98	21	3.69	−0.21	6.40	1.00	0	10	15	8	8
1933........	62.2	+2.8	94	24	5.86	+1.96	10.52	2.17	0	18	8	10	13
1934........	62.2	+2.8	98	22	2.51	−1.39	6.80	0.37	0	8	18	8	5
Period.....	59.4	....	102	18	3.90	....	15.02	0.22	T.	12	12	9	10

W. B. O. Philadelphia-6-26-34-1050

Climatological Data for May, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	61.3	+1.6	92	21	35	13	37	4.57	+1.03	1.20	0	12	20	1	10	ne.	John A. Frick.
Altoona	Blair	1,615	47	61.5	+2.7	91	20†	34	16	43	1.21	−2.73	0.48	0	6	24	3	4	w.	F. E. Rooney.
Ardmore	Montgomery	350	2	64.4	+4.0	97	21	38	13	43	4.97	+1.12	1.32	0	11	......	......	......	......	H. G. Balderston.
Arendtsville	Adams	700	12	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	63.0	......	93	20	34	12	52	1.74	......	0.60	0	7	22	4	5	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	59.4	−1.7	92	20	34	8	39	1.06	−2.65	0.39	0	10	8	16	7	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	64.6	+2.4	93	21	37	13	39	3.61	+0.04	0.86	0	11	25	0	6	sw.	Lehigh University.
Carlisle	Cumberland	467	68	63.8	+2.4	95	20	36	1†	42	3.66	−0.14	1.64	0	10	21	4	6	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	63.9	+3.4	96	21	34	13	42	3.06	−0.54	1.17	0	8	20	8	3	......	W. L. Gearhart.
Center Hall	Center	1,272	38	58.3	−0.5	91	20†	34	8†	44	2.15	−1.88	0.50	0	9	24	2	5	......	S. W. Smith.
Chambersburg	Franklin	580	35	64.0	+3.3	96	20	38	1†	42	4.61	+1.06	1.92	0	10	11	12	8	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	60.8	+2.0	92	20†	32	13†	51	1.13	−3.35	0.48	0	5	18	9	4	nw.	E. W. Hess.
Coatesville	Chester	380	47	63.8	+2.6	95	21	36	13	42	4.73	+0.79	1.71	0	11	19	0	12	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	60.9	+1.9	91	20†	34	13	39	3.69	+0.48	1.20	0	9	19	6	6	n.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	59.3	+1.5	90	20†	29	16	46	1.45	−2.94	0.75	0	8	13	12	6	nw.	T. B. Lloyd.
Ephrata	Lancaster	380	42	64.6	+3.6	96	21	36	13	41	3.32	−0.07	1.32	0	10	17	7	7	s.	Ira J. Keath.
Freeland	Luzerne	1,970	41	60.1	+3.9	90	21	33	16	35	4.38	0.00	1.34	0	12	11	14	6	nw.	Theo. Reichmann.
George School	Bucks	190	28	62.8	+2.3	93	21	35	13	37	4.84	+1.33	1.47	0	11	19	3	9	sw.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	64.3	+3.0	94	20†	38	1	43	4.51	+0.62	1.65	0	12	18	5	8	s.	Dr Henry Stewart
Gordon	Schuylkill	840	30	58.8	+1.0	90	20†	29	13	42	4.15	+0.29	1.15	0	11	22	3	6	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	52.2	−1.7	75	30	22	2	43	4.15	−0.02	0.76	0	11	20	8	3	sw.	Gustav Holtz.
Hamburg	Berks	535	41	61.8^{c}	+0.9	92^{c}	21	32^{c}	13	44^{c}	2.72	−1.69	0.84	0	7	19	8	4	w.	State Sanatorium.
Hanover	York	600	30	65.0	+2.2	94	21	40	12	39	4.32	+1.08	1.40	0	10	15	7	9	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	63.9	+2.1	91	20	43	1	33	3.63	+0.19	1.66	0	11	7	17	7	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	16	58.7	+1.9	91	21	29	1	48	3.26	−0.27	0.52	0	12	18	9	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	65.2	+3.4	90	21	43	1	29	4.04	+1.16	1.53	0	10	17	8	6	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	62.6	+2.4	94	21†	33	13	45	1.07	−3.07	0.31	0	6	19	7	5	sw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	63.6	+2.8	96	21	34	12†	53	1.30	−1.55	0.41	0	7	20	4	7	......	Horace A. Sheavly.
Kylertown	Clearfield	1,637	3	60.2	......	92	31	31	16	49	1.90	......	0.86	0	7	21	8	2	s.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	64.6	+3.9	96	21	34	13	46	4.35	+1.12	1.31	0	8	17	9	5	w.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	61.1	+4.2	94	21†	29	13	50	1.37	−2.21	0.75	0	6	20	8	3	......	C. P. Darling.
Lebanon	Lebanon	469	50	63.6	+2.8	94	20†	37	13	40	2.96	−0.90	1.04	0	10	18	8	5	sw.	Lebanon Valley Gas Co.
Lewisburg	Union	450	58	62.8	+2.9	96	21	34	13	38	3.06	−0.70	0.81	0	9	15	9	7	s.	Prof. W. G. Owens.
Lock Haven	Clinton	560	44	63.6	+2.0	97	21	37	13†	42	1.02	−2.87	0.29	0	8	14	13	4	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	67.8	......	97	20	45	12	39	6.80	......	......	0	9	21	4	6	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	59.6	−0.1	94	20	33	1	43	4.20	+0.19	1.10	0	8	18	7	6	w.	R. K. Wintermute.
Mifflin	Juniata	445	30	64.4	+4.3	98	21	33	13	46	1.70	−2.06	0.66	0	4	18	9	4	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	58.2	+3.7	89	6	29	13	45	1.57	−2.30	0.50	0	6	24	3	4	n.	Mrs. Milton Smith
Mt. Pocono	Monroe	1,720	28	......	......	......	......	......	......	......	4.90	+0.90	1.90	0	9	......	......	......	......	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	58.6	+1.7	91	20	28	13	44	2.23	−2.13	0.61	0	7	20	6	5	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	62.1	+2.7	94	21	33	13	42	4.96	+1.33	1.09	0	9	19	7	5	ne.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	62.3	......	93	21	34	13	37	4.47	+0.62	0.98	0	12	19	8	4	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	66.1	+3.2	95	21	47	1	37	3.92	+0.66	1.46	0	10	10	12	9	sw.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	66.6	......	97	21	44	1	37	5.04	......	1.65	0	8	11	11	9	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	66.4	+4.5	96	21	47	1	38	3.30	+0.09	1.10	0	11	8	11	12	sw.	Commandant, Navy Yard.
Phœnixville	Chester	100	24	65.7	+4.6	98	22	34	13	43	4.73	+0.77	1.70	0	9	17	9	5	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	62.0	+2.6	92	21†	30	13	40	4.18	+0.30	1.19	0	11	18	5	8	nw.	John E. Benner.
Reading	Berks	514	64	64.6	+2.1	93	21	40	13	36	3.03	−0.64	1.18	0	10	8	16	7	sw.	U. S. Weather Bureau.
Scranton	Lackawanna	805	40	62.0	+2.6	92	21	35	13	37	3.32	+0.05	1.44	0	11	7	17	7	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	62.1	+1.6	93	21	33	13	45	2.26	−1.73	0.83	0	11	9	13	9	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	65.5	+2.9	94	21†	40	1†	38	3.79	+0.47	1.37	0	8	14	9	8	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	63.8	......	92	20	37	1	40	3.07	......	1.49	0	9	13	10	8	sw.	State Teachers College
State College	Center	1,217	50	62.4	+3.8	92	20	36	16	37	1.46	−2.48	0.46	0	6	19	10	2	n.	C. A. Kern.
Stroudsburg	Monroe	500	20	60.0	+0.7	92	21	31	13	42	4.76	+1.27	1.15	0	12	19	7	5	sw.	State Normal School.
Towanda	Bradford	754	40	60.0	+2.7	93	21	27	13	46	1.74	−1.45	0.32	0	8	11	10	10	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	59.0	+2.7	94	20	26	13	50	0.57	−3.29	0.35	0	5	23	6	2	nw.	George W. Hill.
West Chester	Chester	455	85	63.8	+3.2	90	21	40	1†	36	4.54	+0.22	1.60	0	10	15	10	6	w.	Joseph W. Belt.
Williamsport	Lycoming	521	48	63.4	+3.0	95	20	33	13	41	1.51	−1.90	0.39	0	11	15	9	7	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	63.5	+4.3	90	21	37	16	35	4.86	+0.99	1.08	0	11	15	11	5	sw.	Susquehanna Collieries Co.
York	York	400	46	63.6	+2.5	95	20†	35	13	45	4.20	+0.89	1.54	0	10	17	10	4	sw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	63.4	+3.1	91	31	34	16	42	0.95	−2.30	0.41	0	6	18	7	6	ne.	U. S. Engineer.
Brookville	Jefferson	1,173	44	58.4	+3.1	92	21	28	8†	52	0.96	−2.63	0.67	0	3	22	3	6	......	John Fawcett.
Butler	Butler	1,077	21	59.6	+0.1	91	31	29	13	44	1.12	−2.26	0.48	0	6	21	7	3	nw.	William C. Faust.
Chambersville	Indiana	1,047	4	61.0	+1.2	90	20†	30	8	45	2.86	−1.39	1.45	0	6	18	4	9	e.	John E. Lewis.
Clairton	Allegheny	1,020	2	63.8	......	94	20	36	8	39	1.24	......	0.78	0	5	20	5	6	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	64.2	+3.6	98	31	33	8†	45	1.37	−2.25	0.50	0	6	23	4	4	s.	J. L. Melvin.
Corry	Erie	1,430	21	59.1	+4.9	91	31	27	12†	46	0.73	−3.55	0.33	0	4	22	8	1	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	63.2	+2.6	88	20†	35	16	39	1.88	−1.72	0.97	0	6	17	11	3	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	61.6	+6.1	86	20†	34	16	38	1.58	−2.50	0.57	0	6	24	4	3	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	58.2	+3.3	88	21	30	26	38	2.20	−1.80	0.67	0	5	23	4	4	w.	J. S. Stevanus.
Franklin	Venango	957	60	61.0	+3.7	95	31	29	16	47	0.49	−3.09	0.20	0	6	21	6	4	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	62.9	+3.0	91	21	34	8	40	1.35	−2.52	0.62	0	7	17	11	3	e.	Westmoreland Water Co.
Greenville	Mercer	950	38	61.6	+4.0	94	31	29	16	51	0.62	−2.96	0.42	0	2	23	3	5	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	63.2	+5.7	92	31	33	16	36	0.91	−3.22	0.31	0	7	17	10	4	sw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	63.2	+2.2	94	21	36	16	45	1.55	−2.87	0.68	0	7	21	6	4	nw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	2	57.1	......	85	31	28	16	38	0.75	......	0.18	0	7	17	6	8	sw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	42	63.8	+3.3	88	21	37	16	33	2.07	−1.89	0.87	0	4	21	7	3	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	62.4	+6.1	94	31	30	16	44	0.94	−3.38	0.31	0	5	22	7	2	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	63.6	......	91	21†	37	8†	36	0.99	......	0.34	0	5	20	6	5	w.	Fred Hoffman.
New Castle	Lawrence	808	54	61.6	+2.1	92	21	31	16	45	0.81	−2.57	0.38	0	6	23	6	2	w.	New Castle Water Co.
Newell	Fayette	800	14	61.6	+0.2	87	21†	32	8	41	1.30	−1.46	0.50	0	8	20	7	4	ne.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	64.6	+2.2	89	31	39	12	31	0.66	−2.55	0.35	0	5	17	9	5	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	59.0	+3.3	92	21†	28	16	53	1.32	−2.64	0.68	0	8	19	8	4	sw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	21	63.0	+4.8	93	20	31	16	43	0.92	−2.25	0.50	0	5	18	7	6	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	56.4	−0.4	87	21	27	8	47	2.38	−2.53	0.72	0	8	5	15	11	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	64.4	+2.6	93	21	34	8	41	2.35	−1.61	0.85	0	6	19	10	2	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	62.9	+2.1	94	20	35	16	47	1.75	−1.54	0.54	0	5	22	4	5	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	59.0	+2.9	85	21	32	16	33	0.57	−3.66	0.21	0	5	22	2	7	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	63.9	......	92	21	35	8†	41	2.20	......	0.69	0	5	10	18	3	nw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	60.8	+4.0	87	21	36	12	29	0.55	−2.85	0.40	0	3	19	7	5	n.	U. S. Weather Bureau.
For the State	......	......	....	62.2	+2.8	98	21†	22	2	53	2.51	−1.39	1.92	0	8	18	8	5	sw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for May, 1934

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown|||	Lehigh			.42	1.20	.73					.01	.27			T.	.40	.31						.13	.26		.30	.46		T.		.08		4.57
Altoona	Juniata			.02							.33				T.	.33							.48		.02						.03		1.21
Ansonia|||	W. Br. Susq				T.		.04				.04	.37				.03				T.	.05		.13	.23		.23							1.12
Ardmore	Lower Del		1.08	1.32	.51						.02	.02	T.	T.	T.	.43						.56		.12	.80	.03				.08			4.97
Arendtsville	Lower Susq																																
Baker's Summit	Juniata			.24	.04						.09					.44							.20		.15						.01		1.17
Bedford	Juniata			.51	T.						.04	.06			.05	.60						T.	.05		T.	.43				T.			1.74
Bellefonte***	W. Br. Susq			.11	T.					.08	.31	T	T.		.10	.12			T.			.01	.13		.17	T.			T.	.01	.02		1.06
Bethlehem	Lehigh			.86	.50	.10					.01	.26			T.	.58	.03						.03	.36		.85		T.		T.	.03		3.61
Blosserville‡‡	Lower Susq			1.70												1.08						.25	.35			.25					.05		3.68
Buffalo Mills	Juniata				.27							.17				.30	.29									.40	.12						1.55
Carlisle	Lower Susq			1.64	.05						.26				.08	.58	.02					.15	.32		T.	.55	.01						3.66
Catawissa‡	N. Br. Susq			.45							1.02	.15				.25	T.						.18		.12	.75				.14			3.06
Center Hall	Susquehanna			.18							.47	.12				.04							.01	.50		.10	.27				.46		2.15
Chambersburg	Potomac			1.34	.11						.20				.07	.50	.01					1.92	.15		.01	.30							4.61
Clearfield	W. Br. Susq										.48				.05	.27			T.			T.	.26			.07							1.13
Coatesville	Lower Del			1.71	.41						.26				.05	.46						.12	.65		.05	.91				.10	.01		4.78
Colebrook	Lower Susq			1.20	.10						T	T.			.05	.62			T.			T.	.97		.08	.61				.04	.02		3.69
Conshohocken	Schuylkill		T.	1.02	.98						T.	.02			T.	.48						.02	.18	.15		.82	T.			.15	T.		3.82
Cresson‡	Juniata										.35				.15	.25							.32		.05								1.12
Doylestown	Lower Del			1.24	.58						.01	.06			.04	.49	.03						.73	.33		1.27	.04	T.		T.	.03		4.85
Emporium	W. Br. Susq						.06			.09	.66				.03	.08			T.			.26	.08		.19								1.45
Ephrata	Lower Susq			1.32	.07							.02			.07	.58	.05						.10	.12		.88				T.	.11		3.32
Forest City	N. Br. Susq				1.74						T.	.85				.12							.15	.30	T.	.15	.30						3.61
Freeland|||	Lehigh			.35	.56						.03	1.31			.04	.16	.34				T.		.04	.36		.21	.84				.14		4.88
Galeton	W. Br. Susq						.06				.08	.48			.02	.04						.02	.17		.15								1.02
George School	Lower Del		T.	1.47	.75	.01						T.	T.		.02	.49	.03						.02	1.17	T.	.82	.03	T.		T	.03		4.84
Gettysburg	Potomac			1.60	.05							.08			.02	.90	.04					.23	.70	.04		.83	.01			.01			4.51
Girardville|||	Lower Susq		.55	.64	.34					.02	.77				.27	.35						.01	.17		.02	1.28				.06			4.48
Gordon	Lower Susq			.90	.35						.63	.12			.02	.70	.09					.02	.15			1.15					.02		4.15
Gouldsboro‖	Lehigh			.51	.24					.02		.75				.03	.15				.35			.75		.03	.56				.76		4.15
Graterford	Schuylkill			.89	1.21	.14						.03			.02	.73	.06						.21	.67		1.00					.01		4.97
Hamburg	Schuylkill			.55								.26				.70							.04	.30		.03	.84						2.72
Hanover	Lower Susq			1.40	.08							.14			T.	.64	.04					.23	.34	.32		1.04	.09			T.			4.32
Harrisburg***	Lower Susq		.02	1.63	.12						.09	T.	T.		.18	.47						.10	.11		.02	.88			T.	.01			3.63
Hawley|||	Upper Del			.43	.52	.03					.02	.48			T.	.11	.13						.20	.43		.27	.47				.17		3.26
Hollisterville	Upper Del			.38	.33	T.		T.				.35			T.	.05	.02							.05		.40	.45				.03		2.06
Holtwood‡‡	Lower Susq		.15	1.53	.20										T.	.56				.02			.20	.16		1.14				.05	.03		4.04
Huntingdon	Juniata			.26							.07	.15				.31						T.	.20		.08								1.07
Hyndman	Potomac			.07							.36	.04			.04	.36	T.						.02		T.	.41							1.30
Kylertown	W. B. Susq										.20	.85			.20	.24	.10							.15		.16							1.90
Lakeville|||	Upper Del			.68	.67	.19	.02					.42	T.		.02		.20		.20				T.	.40		.25	.45	T.			.13		3.63
Lancaster	Lower Susq			1.31	.91						.02				.03	.61						.13	.21			1.13							4.35
Lansford|||	Lehigh			.30	.50						.03	.92			T	.45	.28						.06	.35		.24	.58					.04	3.75
Lawrenceville	N. Br. Susq						T.				.75				.10					.10			.20		.10	.12							1.37
Lebanon	Lower Susq		.63	.41						.01	.01	T.		T.	.20	.24						.03	.70		.23	.50				T.			2.96
Lewisburg	W. Br. Susq			.81	.38						.16	.02				.29							.42		.02	.94	.02			T.			3.06
Lock Haven	W. Br. Susq			.05	.03						.15	.15				.29							.09		T.	.23	.03						1.02
Marcus Hook	Lower Del			*	4.75						.08				.07	.55						.03		.25	.97	T.				.10			6.80
Matamoras|||	Upper Del			.06	.72							1.04					.40						.15	1.79		.25	.48				.14		5.03
Mauch Chunk	Lehigh			.74	.03						1.10					.78							.32		.02	1.10					.11		4.20
Mifflin	Juniata			.66	.22						T.					.40	T.								T.	.42					T.		1.70
Montrose	N. Br. Susq			.50	.25						.50											.08			.08	.16							1.57
Morris Run	N. Br. Susq			.08	.03		T.				.43				T.	.02			T.	T		.10	.21	.08	.04	T.							0.99
Mount Pocono	Upper Del			1.00							1.30	.60				*	*				*		*			*					2.00		4.90
Muncy Valley	W. Br. Susq			.58	.17						.41					.31						.04	.11		T.	.61							2.23
Neshaminy|||	Lower Del		.23	1.09	1.08					T.	.04				.06	.51							1.09		T.	.80				.06	T.		4.96
New Park	Lower Susq																																
Newport|||	Juniata			.65	1.20	T.						.25	T.			.38	.28							.05		.08	.52					.03	3.44
almerton‡	Lehigh		.03	.85	.46					.03	.95				.16	.48						.03	.52		.13	.69				.14			4.47
aupack|||	Upper Del			.42	.67			.11				.59			.02	.12	.15							.34		.24	.47				.53		3.66
hiladelphia***	Lower Del		.24	1.34	.62					T	.03	T.			T.	.51				T.		.01	.32		.24	.49	T			.12			3.92
hiladelphia-Gtn	...do		T.	1.65	.61						T.	T.			T.	.43						T.	1.46			.79	.03	.01		.06			5.04
hila. Navy Yard|||	...do			.36	1.10	.18						.09				.01	.55			.03			.01		.23	.46	.28	T.			T.		3.30
hila-P'nt Breeze.‡	Lower Del			.89	1.20							.01	T.		T.	.52						.10	.39			.77	T.			.20	T.		4.08
hoenixville	Schuylkill			1.70	.62	.06					T.	.06			.06	.53							.12	.59			.99			T.			4.73
ine Grove	Lower Susq		.04	.90	.04					.08	.80				.25	.43						.02	.03		.10	.80				.05			3.54
leasant Mount	Upper Del			1.49							.33			.02		.13							.53		.18	.25							2.93
ottstown	Schuylkill		.18	.09	.15						.18		T.		.03	.75	T.		T.			T.	.31		.02	.71		T.		T.			2.42
ottsville	Schuylkill			.83	.20						.03	1.20			.02	.70	.04					.02	T.	.11	T.	1.00	.02				.02		4.19
uakertown	Lower Del			1.19	.17						.09	.28			T	.65	.05						.15		.55	.98	.01				.06		4.18
eading***	Schuylkill		.12	1.07	.12					T.	.16		T.		.08	.56			T.			T.	.28		.19	.43		T.		.02	T.		3.03
enovo|||	W. Br. Susq										.14	.33			.02	.10								.08		.23							0.90
etreat	N. Br. Susq			.63	.21						.76	.06			.03	.26						.06	.50		T.	.84	.07				.53		3.95
cranton***	...do		T.	1.44	.01		T.			.01	.37				.03	.16				.02		T.	.52		.18	.52		T.			.06		3.32
elinsgrove	Lower Susq			.83	.35						.14	.03				.35				T.		.01	.21		.03	.29	.01				.01		2.26
hawmont	Schuylkill			1.37	.72							.07			T.	.31	.11							.41		.75				T.	.05		3.79
hippensburg	Lower Susq			1.49	.25						T.	.08			.02	.65	.04					.03	.11	T.		.40							3.07
now Hill‡‡	Upper Del				.92	.84						1.28					.68					.03	.08				.82				.04		4.69
tate College	W. Br. Susq			.13	T.						.46				T.	.13							.33		.19	T.					.22		1.46
troudsburg|||	Upper Del			.46	.52	.26					.02	1.15				.56	.24					.02	.01	.37		.40	.75						4.76
unbury	Lower Susq			.39	1.01	.08					.06	.03				.12	.10						.07	.10	T.	.04	1.01				.02		3.03
owanda	N. Br. Susq			.32	.27	T					.32				T.	.02				T.		.29	.30		.17	.05							1.74
Weikert	Lower Susq			.75							.36					.25							.45		.10	.35				.22			2.48
Wellsboro	W. Br. Susq						.03				.35											.05	.01		.13	T.							0.57
West Chester	Lower Del			1.60	.39						T	.06			.08	.54						.07	.68			1.10					.02		4.54
Westgrove|||	...do			.66	.93							.05				.02	.38						.05	1.28		.70					.03		4.10
Wilkes-Barre|||	N. Br. Susq			.05	.54	.05	T.				.04	.84			.03	T.	.24	T.	T		T.		.10	.26		.21	.56				.60	.03	3.55
Williamsport|||	W. Br. Susq			.14	.39						.03	.07			.01	.16	.08				.06		T.	.01		.20	.36						1.51
Williamstown	Susquehanna			1.05	.45						1.08					.97	.05					.07	.09	.04	.08	.86	.12						4.86
ork	Lower Susq			1.54	.16							.06			.05	.60	.05					.26	.14	.24		1.10							4.20
ork Haven|||	Lower Susq			.87	.32							.03				.30	.46						.75	.46		.31	.56						4.06
ionsville..(near)	Schuylkill			1.19	.88							.25			T.	.47	.05									.76							3.60
renton, N. J***	Lower Del		.37	.99	1.03	T				T.	.01	T.			.02	.41	.01		T.	T.			1.25		.04	.62	.02	T.		.02	T.		4.79

Continued on page 24.

Daily Precipitation for May, 1934—Continued from page 23

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio											.10			.18	.24	.02						.38	.03		T.							0.95
Beaver Falls‖‖	Beaver											.01			.14	.19	T.						.11	.13		T							0.58
Brookville	Allegheny											.67			.15	.14								T.		T.							0.96
Butler	Ohio					T.					.48				.17	.22						.15	.07		.03								1.12
Chambersville	Allegheny										.44				.16	.46				T.		.32	1.45		.03								2.86
Clairton‡	Monongahela										.78			T.	.04	.29							.10		.03					T.			1.24
Claysville	Ohio										.36				.10	.50						T.	.36		.04	.01							1.37
Clymer‡‡	Conemaugh										.30	.28			.30							.10	1.58										2.56
Confluence‖‖	Youghiogheny															.68	.26									.12							1.06
Corry	Allegheny										.12				.33				T.				.02		.26								0.73
Derry	Conemaugh										.97				.04	.35							.46		.04	.02							1.88
Donora‖‖	Monongahela											.61			.01	.27	.09						.15	.10		.04							1.27
Ebensburg	Conemaugh										.57				.03	.35							.52		.02					.09			1.58
Elk Lick	Youghiogheny										.65				.12	.67							.15			.61							2.20
Franklin‖‖	Allegheny						T.					.07			.20	.06							.04	.05		.07							0.49
Greensboro	Monongahela											.34			.03	.56	.32						.05	.34		.17				T.	T.		1.81
Greensburg	Youghiogheny										.62				.05	.36						.01	.28		.01					T.	.02		1.35
Greenville	Beaver										T.			T.	.20	T.			T.			T.	T.		.42								0.62
Grove City	...do					.05					.22				.05	.10							.16	.31	.02								0.91
Herrs Isl. Dam‖‖	Ohio											.08			.01	.18	.22						.02	.37		T.					T.		0.88
Irwin	Monongahela										.23				.03	.30							.35		.04	.03					.03		1.01
Johnstown	Conemaugh			.01							.68				.04	.34							.39		.02	.07					T.		1.55
Kane (near) ‡‡	Allegheny						.12				.18		T.		.11	.06			T.			.03	.13		.12								0.75
Kregar‖‖	Youghiogheny			T.							.72				.38	.38						T.	.17		.16								1.81
Lake Lynn‖‖	Monongahela											.27			.07	.21							.07	.17		.06	.02						0.87
Linesville‖‖	Beaver						.14				T.				.37	.05							.02			.18							0.76
Lock No. 2‖‖	Ohio											.36			.03	.28	.07						.39	.30		.01							1.44
Lock No. 4‖‖	Monongahela											.58			.02	.23	.27						.09	.30		.07					T.		1.56
Lock No. 5‡‡‖‖	Allegheny											.09			.11	.26	.06						.33	.31							T.		1.16
Lycippus	Conemaugh										.67				.03	.50							.87		T.								2.07
McKeesport‖‖	Monongahela											.01			T.	.03	.29						.02	.02		T.					T.		0.37
Meadville	Allegheny						.21								.31	.03						.23			.16								0.94
Mosgrove	...do											1.20			.06	.25							.13	.24		.02							1.90
Mount Lebanon	Ohio										.19			T.	.15	.34						T.	.25		.06								0.99
Natrona‖‖	Allegheny											.50			.09	.27	.13						.21	.94		.01							2.15
New Castle‖‖	Beaver						.06					.38		T.	.18	.10	.01						T.	.08									0.81
Newell	Monongahela											.50			.05	.30	.14						.10	.07		.10					.04		1.30
Parkers Landing‖‖	Allegheny						T.					1.37	T.		.13	.12								.05	T.	T.							1.67
Pennline‖‖‡‡	Beaver						.20								.39	.03										.18							0.80
Pittsburgh***	Ohio										.06	T.		T.	.12	.26						T.	.19		.03								0.66
Punxsutawney‖‖	Allegheny											1.21			.14	.31										.16							1.82
Ridgway	...do										.03	.65			.02	.09				.01			.35	.04		.13							1.32
Saltsburg‖‖	Conemaugh											.10			.02	.12	.34						.02	.13		.02							0.75
Sharon‖‖	Beaver											.21		T.	.16	.02						.50			T.	.03							0.92
Smethport	Allegheny						.10	T.			T.	.48			T.	T.			T.	T.			.30	.02		.24							1.14
Somerset	Youghiogheny			.02							.58	.02			.22	.72							.66		.02	.14							2.38
Springdale‖‖	Allegheny											.46			.03	.20	.20						.26	.43		.02							1.60
Uniontown	Monongahela										.65				.10	.85							.53		.08	.14		T.					2.35
Unity Reservoir‡‡	Youghiogheny										.63				.08	.34							.36	T	T.								1.41
Vandergrift‡	Conemaugh										.47				.24	.25						.25	.54		T.								1.75
Warren	Allegheny						.04				.09				.21								.11		.12								0.57
Waynesburg	Monongahela										.69				.16	.60							.49			.26							2.20
Westford‖‖	Beaver					.38								.35	.05							.02			.25								1.05
West Newton‖‖	Youghiogheny											.70			T.	.14	.22				T.		.20			.02					T		1.28
Lake Drainage.																																	
Erie***	Lake Erie					T.				T.	T.	T.		.40	T.				.02	T.			T.		.13								0.55

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	Percentage of sunshine
Erie	30.02	30.41	1	29.68	29	10.6	40	w.	10	61	54	60	84
Harrisburg	29.99	30.54	1	29.66	7	7.2	30	s.	10	64	47	56	72
Philadelphia	30.01	30.57	1	29.66	7	12.6	39	sw.	10	62	45	55	60
Pittsburgh	30.02	30.43	1	29.66	29	8.7	30	nw.	21	60	40	41	83
Reading	30.00	30.52	1	29.64	22	10.3	46	sw.	22	66	50	60	66
Scranton	30.00	30.51	1	29.62	7	6.8	28	nw.	10	72	46	56	67

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.1	3.9	5	2.2	31	18
Phillipsburg	Delaware	3.6	4.7	5	2.2	31	22
Mauch Chunk	Lehigh	3.4	4.6	11	2.9	31	17
Wilkes-Barre	Susquehanna	4.0	6.0	5	2.7	30	20
Williamsport	Susquehanna	1.7	2.6	1	1.0	31	20
Harrisburg	Susquehanna	4.2	4.8	5	3.7	31	17
Greensboro	Monongahela	11.8	12.0	19	10.7	31	30
West Newton	Youghiogheny	0.8	1.5	17	0.5	31	20
Lock No. 4	Monongahela	11.8	13.1	19	11.1	31	30
Pittsburgh	Ohio	10.6	11.3	1	10.1	31	25
Beaver Dam	Ohio	7.7	8.4	1	7.2	11	30

Daily Temperatures for May, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	71	70	64	72	84	87	81	67	72	85	70	62	71	70	58	61	68	77	75	91	92	87	69	72	54	69	70	74	69	80	83	73.4
	Minimum	38	40	47	57	57	61	67	45	42	49	60	39	35	41	56	41	44	46	50	54	57	59	53	44	50	48	48	45	47	57	58	49.5
Altoona	Maximum	75	72	68	84	86	87	81	71	79	87	64	65	79	78	59	66	74	83	90	91	94	85	70	65	61	66	70	75	79	81	86	76.4
	Minimum	37	40	47	53	52	54	65	35	42	52	54	35	37	55	49	34	39	50	47	65	60	58	35	38	43	35	39	42	46	54	52	46.6
Bedford	Maximum	78	75	71	83	87	88	85	74	84	89	67	72	87	80	61	69	77	87	90	93	91	90	72	72	62	67	72	80	81	83	91	79.3
	Minimum	36	39	49	53	46	52	67	37	43	55	57	34	35	59	53	37	39	35	48	60	55	58	44	37	45	37	37	42	49	55	56	46.7
Bellefonte	Maximum	74	73	63	81	85	86	76	71	78	86	63	63	73	67	58	66	74	82	84	92	90	85	70	63	52	63	70	77	80	80	86	74.5
	Minimum	36	40	47	55	46	55	47	34	40	54	42	38	36	54	49	34	36	44	46	63	52	53	38	34	37	36	34	39	46	60	50	44.4
Brookville	Maximum	77	81	82	80	85	86	87	75	71	84	87	64	66	81	66	65	72	80	83	89	92	90	81	70	64	66	70	74	83	84	89	78.2
	Minimum	30	34	36	37	42	45	52	28	36	46	41	44	29	51	50	28	30	38	42	48	42	50	29	34	31	28	30	38	40	45	47	38.6
Butler	Maximum	79	77	81	81	84	86	84	70	82	79	67	62	66	63	62	64	78	82	88	90	88	75	70	70	68	68	75	79	80	90	91	76.7
	Minimum	35	39	39	43	51	51	55	30	41	55	44	36	29	40	52	80	34	48	45	55	57	55	34	38	38	32	35	37	45	48	49	42.6
Carlisle	Maximum	76	74	70	73	88	88	84	77	77	90	67	69	77	74	64	67	72	88	82	95	94	87	77	77	60	66	75	83	83	85	87	78.3
	Minimum	36	39	55	61	55	59	59	41	43	53	60	38	36	58	55	38	41	48	50	53	62	58	50	41	45	44	42	44	42	55	63	49.2
Catawissa	Maximum	78	75	72	76	90	89	80	74	78	90	69	69	74	73	66	71	75	80	83	95	96	90	75	74	58	68	79	86	83	86	90	78.8
	Minimum	39	41	54	60	49	60	48	39	44	59	56	38	34	60	52	40	40	50	46	57	57	60	47	40	45	46	40	44	53	63	57	49.0
Chambersburg	Maximum	75	75	66	77	86	88	84	76	79	91	70	69	77	72	67	72	72	89	83	96	93	87	74	70	58	66	71	78	74	84	86	77.6
	Minimum	38	41	54	59	50	57	64	45	45	56	58	38	38	59	55	43	42	47	53	59	59	58	49	43	48	46	45	48	55	58	55	50.5
Chambersville	Maximum	78	76	73	84	87	87	77	72	85	87	64	62	82	75	61	68	80	84	87	90	90	79	71	69	63	67	72	76	76	84	90	77.3
	Minimum	46	45	43	43	47	49	57	30	40	61	48	35	37	52	50	32	38	40	44	62	53	59	36	37	41	32	32	41	45	57	52	44.6
Claysville	Maximum	80	79	84	85	89	87	85	77	86	83	66	65	84	82	61	66	82	87	90	91	91	87	75	66	69	70	71	79	79	85	98	80.0
	Minimum	49	47	42	45	59	56	65	33	49	63	52	38	43	56	53	33	42	54	51	60	57	63	39	41	43	35	36	42	46	57	53	48.5
Clearfield	Maximum	81	80	80	86	87	88	83	75	82	87	86	69	83	72	62	72	81	83	88	92	89	83	72	58	50	64	68	82	76	86	92	78.6
	Minimum	33	39	43	45	45	47	62	33	39	50	45	39	32	48	57	32	35	48	44	55	51	52	34	34	34	37	34	39	43	55	51	43.0
Coatesville	Maximum	71	71	66	73	87	91	86	67	74	84	75	64	73	75	62	65	71	83	78	92	95	87	71	76	56	61	70	78	70	85	84	75.5
	Minimum	38	40	54	59	60	63	64	45	43	57	61	42	36	59	55	44	44	47	57	50	65	60	56	44	51	48	51	48	52	60	60	52.0
Corry	Maximum	80	77	80	83	84	83	73	69	80	81	76	64	63	76	76	70	80	75	87	90	88	71	68	70	63	68	74	82	86	87	91	77.3
	Minimum	41	40	41	42	50	50	54	28	43	63	39	27	36	34	34	27	39	49	44	56	55	47	28	38	29	29	34	39	40	44	48	40.9
Emporium	Maximum	77	77	75	81	85	85	78	70	80	85	62	63	76	71	65	68	80	75	85	90	90	79	70	60	61	65	71	79	82	84	86	76.0
	Minimum	32	41	41	49	43	55	55	31	40	50	48	38	30	54	53	29	34	46	45	52	51	54	33	34	35	33	37	40	42	42	55	42.6
Erie	Maximum	70	72	74	80	80	75	73	60	80	79	64	51	74	59	55	58	78	63	81	79	87	77	65	57	59	65	69	73	76	75	79	70.5
	Minimum	52	55	56	57	62	56	46	40	56	60	41	36	45	44	45	38	51	54	54	64	71	50	42	46	41	43	49	53	55	58	60	51.0
Franklin	Maximum	81	84	81	84	85	87	68	73	82	82	60	68	80	69	65	75	80	79	89	92	90	75	72	58	67	70	78	86	87	92	95	78.5
	Minimum	37	41	41	43	47	52	61	33	44	54	44	32	35	50	51	29	36	51	46	51	58	60	35	36	33	32	36	40	43	45	50	43.4
Freeland	Maximum	72	72	60	72	83	85	77	62	74	85	63	55	68	63	60	61	69	70	78	89	90	85	64	69	48	55	71	77	76	81	83	71.5
	Minimum	40	45	50	57	58	62	54	37	43	52	54	36	36	52	50	33	46	53	45	57	64	63	42	45	42	39	41	42	54	59	60	48.7
Gettysburg	Maximum	73	72	68	75	87	89	85	78	77	85	73	66	76	75	65	63	70	88	81	94	94	85	73	74	62	63	70	77	74	81	81	76.6
	Minimum	38	43	54	60	54	59	67	46	46	58	60	39	39	61	55	44	43	45	56	59	64	60	50	46	48	45	49	51	56	61	57	52.0
Greensburg	Maximum	79	81	78	86	85	86	80	73	84	83	63	63	82	77	60	66	79	83	89	89	91	85	68	62	66	69	73	77	82	85	89	77.8
	Minimum	42	47	48	46	56	56	61	34	47	47	49	39	43	54	52	35	41	52	50	61	60	62	41	41	44	37	41	45	49	54	54	48.0
Grove City	Maximum	80	80	78	81	80	82	80	70	75	75	65	70	76	76	63	67	76	75	84	85	85	83	69	69	61	60	70	75	84	84	92	75.8
	Minimum	50	51	47	55	62	54	55	36	39	62	44	43	44	50	49	33	54	55	66	63	61	66	58	48	38	38	44	42	48	52	60	50.5
Hamburg	Maximum	71	72	69	80	85	87	84	81	85	86	84	67	70	70	65	75	74	78	79	91	92	91	84	72	64	58	62	70	....	....	....	76.6°
	Minimum	34	40	43	53	58	58	58	40	41	43	59	36	32	38	55	41	45	56	50	49	55	54	52	44	39	49	45	46	....	....	...	46.9°
Harrisburg	Maximum	71	70	65	73	86	86	82	70	75	85	69	64	75	68	60	66	69	82	79	91	91	86	72	70	53	62	70	77	72	79	81	74.2
	Minimum	43	48	54	62	57	64	56	50	52	60	54	45	44	60	52	45	46	52	57	58	67	63	54	48	46	48	49	51	57	60	60	53.6
Hawley	Maximum	77	75	66	80	83	85	79	64	73	87	64	61	69	67	65	64	72	72	79	89	91	88	66	69	55	57	71	81	81	85	86	74.2
	Minimum	29	36	51	58	44	52	61	32	31	54	40	30	26	55	51	33	32	48	33	49	50	53	40	35	44	42	35	38	45	60	53	43.2
Huntingdon	Maximum	78	66	65	83	88	89	84	75	81	90	70	68	78	77	60	70	77	86	88	94	94	89	73	67	59	67	73	79	82	86	90	78.6
	Minimum	35	39	48	55	45	51	65	39	43	52	57	38	33	56	54	37	37	41	47	53	53	56	50	36	47	43	38	42	46	57	52	46.6
Johnstown	Maximum	81	79	72	86	86	88	80	75	86	86	66	67	82	71	59	71	80	85	89	91	94	83	73	66	68	72	45	80	87	84	90	79.1
	Minimum	39	42	48	49	50	52	55	38	46	55	48	37	37	56	57	36	42	47	49	63	58	60	41	39	47	37	40	45	48	55	52	47.4
Lancaster	Maximum	72	71	69	80	88	90	89	86	81	87	80	68	73	75	67	68	75	88	85	95	96	89	81	76	70	64	72	80	79	83	84	79.4
	Minimum	36	38	55	61	56	56	59	40	49	57	60	38	34	56	56	42	43	43	53	51	56	56	52	42	51	44	48	45	52	59	55	49.8
Lawrenceville	Maximum	81	81	78	83	88	85	82	70	82	87	67	62	70	74	71	69	83	78	86	93	94	83	71	69	60	60	78	82	89	88	94	78.6
	Minimum	36	41	48	54	45	49	58	32	39	56	50	37	29	52	51	31	35	52	36	52	52	56	34	36	38	35	38	39	43	48	49	43.6
Lebanon	Maximum	74	71	67	77	88	90	85	71	76	89	71	65	74	70	66	66	70	82	79	94	94	86	71	72	54	62	71	79	71	82	83	75.8
	Minimum	41	43	55	60	54	59	60	43	50	58	60	40	37	57	56	43	45	47	56	54	60	58	51	43	50	45	49	46	55	59	57	51.3
Marcus Hook	Maximum	67	71	72	87	90	90	86	75	81	82	72	75	78	76	63	68	83	87	94	97	94	87	77	76	59	69	75	74	85	85	89	79.5
	Minimum	48	56	55	60	62	65	48	51	59	65	47	45	59	56	47	49	55	63	55	67	67	58	56	53	51	49	52	55	61	61	61	56.0
Meadville	Maximum	81	83	82	83	85	85	83	70	81	83	70	65	81	79	70	70	81	79	90	90	90	78	68	65	64	69	75	84	86	90	94	79.2
	Minimum	44	43	44	46	54	53	58	33	48	65	42	33	38	46	49	30	44	52	47	59	59	63	33	43	33	33	38	43	44	47	50	45.6
Mifflin	Maximum	79	79	72	77	90	92	88	81	81	94	72	69	79	77	66	70	76	88	84	96	98	92	76	78	60	65	74	82	82	85	92	80.5
	Minimum	35	40	54	59	47	54	66	41	43	54	60	38	33	60	54	38	38	43	48	52	55	55	46	47	44	42	40	46	51	53	59	48.2
Montrose	Maximum	71	70	65	71	83	89	80	58	71	84	72	53	66	64	62	58	70	69	73	84	86	78	67	65	55	55	66	74	75	80	82	70.8
	Minimum	38	44	50	57	50	49	48	34	36	56	49	34	29	49	50	32	43	51	39	39	57	60	38	41	36	45	42	46	51	60	58	45.5
Muncy Valley	Maximum	73	72	71	75	86	87	78	68	73	82	67	62	66	69	67	68	70	74	76	91	90	84	69	67	50	59	72	80	77	86	85	74.0
	Minimum	33	35	49	57	42	50	58	32	38	56	48	35	28	53	52	31	34	42	38	50	50	53	36	33	40	37	36	39	48	53	51	43.1
Philadelphia	Maximum	71	69	75	68	87	89	86	68	74	83	75	64	71	76	67	67	69	81	78	92	95	86	73	74	57	59	72	78	69	83	83	75.5
	Minimum	47	52	58	56	62	66	57	51	56	60	59	51	50	61	58	48	54	55	58	55	69	68	59	55	52	51	54	55	57	62	63	56.7
Pittsburgh	Maximum	77	80	82	82	84	83	72	72	81	81	64	63	80	62	62	67	77	83	86	89	86	78	68	61	65	70	72	78	77	84	89	76.0
	Minimum	52	54	52	55	63	61	48	43	56	64	49	39	49	54	45	41	49	61	57	68	69	53	48	49	44	45	48	51	57	61	62	53.1
Quakertown	Maximum	70	69	66	69	85	87	82	71	73	87	77	69	67	70	66	64	68	76	75	88	92	92	83	77	61	57	67	77	70	81	86	74.9
	Minimum	33	36	54	58	64	66	61	40	36	53	59	46	30	56	54	41	41	45	49	48	54	58	56	50	49	47	47	41	40	59	54	49.2
Reading	Maximum	72	69	65	78	85	90	83	69	76	85	70	62	73	69	61	67	72	79	79	93	93	88	70	72	57	60	69	76	71	82	83	74.8
	Minimum	43	45	56	62	63	69	55	49	50	59	53	43	40	61	54	44	49	54	60	57	71	64	55	50	51	49	52	48	55	61	62	54.3
Ridgway	Maximum	83	84	81	80	87	89	77	68	81	81	57	63	79	70	63	69	77	79	88	91	92	79	70	60	65	66	74	86	86	88	92	77.6
	Minimum	30	39	37	39	40	50	56	30	40	56	48	39	32	42	42	28	32	44	44	51	49	55	32	33	33	30	31	37	42	46	50	40.5
Scranton	Maximum	76	75	65	79	87	85	74	64	76	89	65	57	71	68	60	63	75	73	80	90	92	87	66	70	51	60	73	79	80	85	87	74.3
	Minimum	40	45	54	62	54	63	47	41	40	59	46	42	35	56	49	39	41	54	43	58	58	59	48	42	47	48	44	47	55	63	61	49.7
Selinsgrove	Maximum	74	73	70	76	81	86	86	78	82	89	71	66	74	73	64	68	71	79	79	92	93	87	78	61	56	62	74	81	82	82	86	76.6
	Minimum	37	40	52	59	48	58	62	39	50	44	58	39	33	59	38	38	46	39	49	58	55	51	43	39	44	43	42	43	54	60	55	47.6
Somerset	Maximum	75	71	66	77	80	82	78	67	81	81	60	62	78	75	60	65	75	78	84	85	87	80	63	67	59	65	65	72	75	75	84	73.3
	Minimum	28	33	39	37	38	41	48	27	35	54	48	28	33	52	49	33	36	41	41	58	46	51	33	31	42	28	30	36	41	46	43	39.5
State College	Maximum	77	76	61	82	86	87	77	72	81	78	65	65	74	70	58	68	76	82	84	92	91	85	70	65	55	65	72	80	83	82	89	75.7
	Minimum	44	45	49	55	53	59	58	38	45	56	55	41	37	55	50	36	42	48	49	67	63	62	41	41	43	43	41	44	50	57	55	49.1
Stroudsburg	Maximum	71	70	65	80	87	88	79	65	72	85	70	61	67	72	57	67	69	76	76	91	92	86	68	73	51	58	75	80	80	82	85	74.1
	Minimum	33	39	46	57	49	59	64	38	36	45	58	38	31	39	56	41	37	42	43	49	55	55	48	38	47	46	40	41	47	50	55	45.9
Towanda	Maximum	77	76	68	77	88	87	75	65	76	88	65	59	70	70	62	65	76	73	82	92	93	85	67	66	53	60	73	80	84	85	90	75.1
	Minimum	35	41	52	58	44	53	49	37	37	58	48	37	27	54	53	33	34	58	36	54	52	57	40	36	40	42	39	41	43	55	53	45.0
Uniontown	Maximum	78	83	79	83	88	88	82	75	81	85	64	64	82	80	61	65	77	86	89	89	93	82	71	72	67	70	69	81	82	85	90	78.7
	Minimum	43	55	50	44	56	54	66	34	47	61	56	37	46	56	53	37	50	52	53	65	57	62	44	41	46	40	42	45	52	54	55	50.1
Vandergrift	Maximum	80	81	83	88	87	90	78	75	87	88	65	65	85	66	62	68	79	85	93	94	91	82	72	66	69	67	74	78	81	85	91	79.2
	Minimum	37	46	43	47	55	53	45	37	47	59	44	40	38	55	48	35	38	51	50	57	58	52	39	44	36	37	41	46	51	59	57	46.6
Warren	Maximum	70	74	73	75	77	80	72	65	74	75	65	56	70	70	64	60	74	77	78	84	85	83	64	63	63	64	69	75	76	80	82	72.2
	Minimum	40	43	44	46	49	54	56	36	46	55	45	38	40	46	51	32	41	52	50	62	58	50	35	44	36	35	43	46	46	50	53	45.9
Waynesburg	Maximum	80	83	81	83	86	86	80	76	83	84	69	65	82	78	60	68	78	85	88	89	92	84	70	70	67	70	72	80	83	86	89	78.9
	Minimum	44	45	43	47	55	55	64	35	48	63	54	40	41	56	54	35	43	50	54	64	57	62	43	41	45	38	40	44	49	53	53	48.9
Wellsboro	Maximum	81	79	76	82	85	84	73	68	80	87	64	65	72	75	64	68	81	73	86	94	93	83	69	63	56	62	75	83	84	88	93	77.0
	Minimum	32	37	43	52	41	49	45	29	38	55	47	34	26	50	43	27	31	48	36	50	48	49	30	32	35	38	35	35	40	65	49	40.9
Williamsport	Maximum	76	72	70	81	89	90	84	72	77	88	70	65	74	71	68	71	77	78	81	95	93	87	75	63	54	61	77	83	80	84	87	77.2
	Minimum	39	44	53	59	49	59	67	40	48	59	58	42	33	58	55	37	39	48	46	55	57	61	43	39	45	44	40	45	51	66	57	49.5
Williamstown	Maximum	73	70	67	77	85	86	87	75	75	87	73	66	70	72	62	66	71	80	79	85	90	83	71	71	55	62	68	80	79	82	89	75.4
	Minimum	42	46	51	57	60	62	69	40	50	55	59	40	43	56	51	37	47	57	52	62	60	63	45	47	42	42	46	49	55	57	58	51.6
York	Maximum	76	72	66	75	89	91	85	77	76	89	76	71	77	73	64	64	75	88	81	95	95	88	72	74	64	61	71	79	75	83	86	77.7
	Minimum	37	38	55	61	50	54	59	42	43	57	60	36	35	61	56	45	42	43	50	55	56	57	52	43	51	42	44	49	52	58	56	49.6

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XXXIX. JUNE, 1934. No. 6.

GENERAL SUMMARY.

This was the hottest June in the records for Pennsylvania, covering a period of forty-seven years. Temperatures were constantly above the normal, excepting short periods of relief centering about the 8th and 15th respectively. Maximum temperatures of 100 degrees or higher were recorded at more than one-third of the reporting stations. The high temperatures were accompanied by a shortage of rainfall in nearly all parts of the State, the deficiency being greatest in the northern counties. Each month of 1934 has shown a deficiency in precipitation, the accumulated shortage averaging 5.16 inches, or about twenty-five per cent. In many of the western districts this deficiency has amounted to a rather severe drought, resulting in a light crop of hay and short pastures. Next to the grass lands, the oats crop suffered most, the grain heading out on short straw in nearly all parts of the State. The winter grains and corn were stunted in some places, but for the State as a whole the damage was not serious. Wheat and rye harvest was in progress at the close of the month, and a large portion of the corn had been cultivated for the last time. Early potatoes were generally promising, while late plantings were more or less uneven and slow of growth. Truck crops were mostly fair, but growing slowly. Tobacco was fair to good at the close of the month. Despite the general shortage of rainfall, there were heavy local rains in some regions. In many instances the heavy rains were accompanied by thunderstorms of considerable severity. On the 12th lightning did considerable damage in the Lehigh Valley and adjacent regions, burning or damaging many buildings. The greatest single loss seems to have been the electric power plant at Easton, with a loss estimated at $30,000. On the 22d severe storms covered a belt extending from west to east completely across the southern portion of the State. Considerable accumulated damage was done by wind and lightning in these storms, the greatest seeming to have been in Philadelphia and vicinity, where three persons were killed and several injured. A few heavy hailstorms were reported, the heaviest being in the northern part of Lancaster County. Hailstones as large as three ounces were found at Ephrata, where many auto tops were punctured and were much damage was done to greenhouses.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 91 stations, was 72.9°, which is 5.0° warmer than the June normal. The highest monthly mean was 78.4°, recorded at Marcus Hook, and the lowest, 62.6°, was reported from Gouldsboro. The highest temperature for the month was 104° at Marcus Hook on the 30th, and the lowest was 35° at Brookville on the 8th. The greatest daily range in temperature was 52° at Franklin on the 8th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports of 143 stations, was 3.64 inches, which is a deficiency of 0.54 inch as compared with the June normal. The greatest monthly amount was 6.15 inches at Coatesville, and the least was 1.12 inches at Catawissa. The greatest amount recorded in any 24 consecutive hours was 3.75 inches at Mount Pocono on the 18-19th.

COMPARATIVE DATA FOR JUNE

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	68.4	+0.5	100	30	3.04	−1.14	6.90	1.08	......	9	12	11	7
1889	66.7	−1.2	95	33	5.43	+1.25	10.04	2.71	......	15	5	12	13
1890	70.1	+2.2	97	33	3.42	−0.76	5.74	1.30	......	9	12	11	7
1891	68.2	+0.3	100	30	4.50	+0.32	9.30	1.22	......	11	14	8	8
1892	71.8	+3.9	99	40	5.64	+1.46	10.55	1.83	......	13	9	11	10
1893	69.8	+1.9	100	38	3.12	−1.06	6.50	1.20	......	9	10	11	9
1894	69.6	+1.7	102	30	2.57	−1.61	5.31	0.61	......	10	13	12	5
1895	71.4	+3.5	104	32	3.50	−0.68	9.21	0.69	......	9	13	10	7
1896	67.4	−0.5	93	32	4.64	+0.46	9.11	1.89	.....	11	10	11	9
1897	64.8	−3.1	96	28	3.38	−0.80	6.42	1.11	......	11	11	11	8
1898	69.6	+1.7	100	33	2.79	−1.39	6.96	0.56	......	9	14	11	5
1899	69.9	+2.0	101	32	3.51	−0.67	5.97	0.65	......	9	13	11	6
1900	69.9	+2.0	97	35	3.60	−0.58	10.29	1.35	......	10	11	12	7
1901	69.1	+1.2	103	32	3.47	−0.71	7.61	0.88	......	10	12	11	7
1902	66.0	−1.9	97	32	5.97	+1.79	8.93	3.35	......	13	11	12	7
1903	63.5	−4.4	90	34	6.53	+2.35	11.76	3.74	......	15	7	10	13
1904	67.9	0.0	96	32	4.06	−0.12	6.67	1.62	......	13	12	10	8
1905	68.0	+0.1	99	30	4.39	+0.21	8.35	1.77	......	13	11	10	9
1906	69.3	+1.4	97	28	5.43	+1.25	10.29	1.40	......	13	11	12	7
1907	63.6	−4.3	98	30	4.99	+0.81	8.55	2.79	......	12	11	9	10
1908	68.8	+0.9	102	28	2.36	−1.82	4.61	0.58	......	7	19	9	2
1909	68.8	+0.9	96	34	4.48	+0.30	8.96	1.89	......	13	12	9	9
1910	65.4	−2.5	95	32	4.31	+0.13	8.68	1.33	......	11	12	8	10
1911	68.3	+0.4	99	38	4.71	+0.53	10.11	2.13	......	12	12	10	8
1912	65.6	−2.3	96	29	3.36	−0.82	8.58	0.79	......	8	13	9	8
1913	68.2	+0.3	99	20	2.26	−1.92	7.61	0.66	......	7	19	7	4
1914	68.6	+0.7	101	25	3.71	−0.47	7.05	1.17	......	9	16	8	6
1915	65.6	−2.3	92	31	4.00	−0.18	6.80	1.51	......	11	14	10	6
1916	63.7	−4.2	89	28	6.14	+1.96	12.45	2.83	......	15	11	10	9
1917	66.8	−1.1	92	32	5.38	+1.20	9.85	2.25	......	14	12	11	7
1918	66.0	−1.9	98	29	3.46	−0.72	6.83	0.44	......	10	13	11	6
1919	71.2	+3.3	102	32	3.90	−0.28	9.17	1.74	......	10	16	9	5
1920	67.0	−0.9	99	32	4.97	+0.79	8.37	2.25	......	13	12	11	7
1921	70.6	+2.7	101	26	3.12	−1.06	9.86	0.70	......	8	17	9	4
1922	69.5	+1.6	96	30	5.11	+0.93	12.46	1.78	......	13	11	11	8
1923	70.9	+3.0	103	32	2.73	−1.45	7.99	0.41	......	9	16	9	5
1924	65.8	−2.1	98	26	5.57	+1.39	9.75	2.23	......	15	11	11	8
1925	71.9	+4.0	104	29	3.04	−1.14	7.02	0.62	......	9	16	11	3
1926	64.1	−3.8	94	23	3.63	−0.55	6.56	1.20	......	12	13	10	7
1927	63.8	−4.1	99	25	3.72	−0.46	6.78	1.59	......	9	15	8	7
1928	65.5	−2.4	93	30	7.96	+3.78	13.14	3.96	......	17	9	9	12
1929	67.8	−0.1	98	28	3.56	−0.62	6.77	1.10	......	10	15	10	5
1930	69.1	+1.2	100	22	4.20	+0.02	13.02	1.56	......	9	17	8	5
1931	68.5	+0.6	102	28	3.71	−0.47	8.08	1.23	......	9	16	8	6
1932	68.5	+0.6	98	26	3.15	−1.03	7.08	0.73	......	11	13	9	8
1933	70.9	+3.0	107	28	2.58	−1.60	6.57	0.67	......	9	18	8	4
1934	72.9	+5.0	104	35	3.64	−0.54	6.15	1.12	......	9	17	9	4
Period	67.9	....	107	20	4.18	....	13.14	0.41	......	11	13	10	7

W. B. O. Philadelphia-7-23-34-1050

Climatological Data for June, 1934

				Temperature, in degrees Fahr.							Precipitation, in inches				No. of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Atlantic Drainage.																				
Allentown	Lehigh	254	22	71.8	+2.4	99	29	52	8	33	5.00	+1.55	2.31	0	6	25	0	5	sw.	John A. Frick.
Altoona	Blair	1,615	47	71.6	+5.3	95	29	43	8	37	4.65	+0.79	2.60	0	10	22	6	2	w.	F. E. Rooney.
Ardmore	Montgomery	350	2	75.6	+5.5	101	29	56	9	30	3.86	−0.12	1.87	0	9	....	....	....	......	H. G. Balderston.
Arendtsville	Adams	700	12	74.2	+3.9	101	29	50	14	37	6.04	+1.62	3.19	0	6	18	8	4	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	74.2	......	99	29	45	14	41	3.54	....	2.45	0	8	15	12	3	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	70.2	+1.5	96	29	39	8	37	4.35	−0.53	2.06	0	9	6	15	9	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	74.2	+4.0	100	29†	50	8	30	5.53	+1.49	2.24	0	8	21	4	5	w.	Lehigh University.
Carlisle	Cumberland	467	68	75.3	+4.3	102	29	45	8	38	2.63	−1.45	1.50	0	8	22	4	4	sw.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	74.3	+6.1	102	29†	46	8	42	1.12	−2.85	0.80	0	7	21	8	1	......	W. L. Gearhart.
Center Hall	Center	1,272	38	68.8	+2.8	96	29	40	8	36	3.35	−1.07	1.98	0	8	23	5	2	......	S. W. Smith.
Chambersburg	Franklin	580	35	75.1	+5.7	102	29	51	8	35	3.70	−0.41	1.72	0	10	14	12	4	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	71.0	+4.1	98	29	39	8	39	3.91	−1.05	2.16	0	8	17	11	2	sw.	E. W. Hess.
Coatesville	Chester	380	47	74.2	+4.2	100	29	50	8	32	6.15	+2.08	2.24	0	9	23	2	5	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	70.6	+2.5	95	29	48	8†	34	3.96	−0.26	1.39	0	9	22	5	3	sw.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	70.3	+5.4	94	3†	38	8	37	3.40	−1.10	2.01	0	7	14	12	4	sw.	T. B. Lloyd.
Ephrata	Lancaster	380	42	75.4	+6.9	101	29	52	15	39	5.11	+0.79	2.50	0	10	18	8	4	s.	Ira J. Keath.
Freeland	Luzerne	1,970	41	68.8	+4.2	93	29	46	8	24	3.73	−0.81	2.01	0	8	12	14	4	nw.	Theo. Reichmann.
George School	Bucks	190	28	73.6	+5.0	99	29	52	8	31	3.26	−0.11	1.68	0	10	20	6	4	sw.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	75.0	+5.1	101	29	58	8	33	2.25	−1.66	1.61	0	8	16	10	4	s.	Dr Henry Stewart
Gordon	Schuylkill	840	30	69.7	+4.1	97	29	43	8†	40	3.37	−1.17	2.16	0	7	21	5	4	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	62.6	+5.0	84	30	37	8	31	2.41	−2.58	1.54	0	9	21	5	4	w.	Gustav Holtz.
Hamburg	Berks	535	41	72.5^{d}	+3.5	100	29^{d}	47	8^{d}	33^{d}	4.25	+0.04	2.28	0	11	16	11	3	w.	State Sanatorium.
Hanover	York	600	30	75.5	+4.6	102	29	54	8†	31	2.89	−1.10	1.09	0	8	21	4	5	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	74.4	+4.1	100	29	53	8	29	3.52	−0.07	1.40	0	9	8	19	3	w.	U. S. Weather Bureau.
Hawley	Wayne	900	16	68.2	+1.9	93	29	37	8	42	2.51	−1.28	1.98	0	8	19	7	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	77.4	+5.8	96	29	62	15	22	2.32	−1.02	0.53	0	9	17	10	3	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	72.6	+4.3	98	29	42	8	40	5.59	+1.31	1.59	0	9	18	6	6	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	74.6	+7.2	100	30	46	14	42	3.58	−1.21	2.00	0	6	14	9	7	......	Horace A. Sheavly.
Kylertown	Clearfield	1,637	3	69.5	......	98	3	39	8	42	3.50	....	1.67	0	8	19	9	2	sw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	74.2	+4 2	103	29	51	8†	38	3.51	−0.46	1.01	0	9	16	11	3	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	71.8	+6.2	99	3	38	27	41	3.77	−0.19	1.55	0	6	19	9	2	......	C. P. Darling.
Lebanon	Lebanon	469	50	73.8	+4.2	101	29	52	15	34	3.36	−0.79	1.73	0	8	20	8	2	sw.	Lebanon Valley Gas Co.
Lewisburg	Union	450	58	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Prof. W. G. Owens.
Lock Haven	Clinton	560	44	75.4	+5.9	102	3†	45	8	41	2.89	−1.46	1.95	0	7	15	13	2	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	78.4	......	104	30	52	16	42	4.00	....	1.60	0	7	24	4	2	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	71.2	+3.4	100	29	46	16	42	2.94	−1.48	2.06	0	7	21	1	8	s.	R. K. Wintermute.
Mifflin	Juniata	445	30	75.6	+7.2	103	29†	43	8	43	2.56	−1.87	1.77	0	8	13	14	3	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	67.5	+4.3	89	29	44	8	33	2.97	−1.18	2.00	0	6	20	5	5	s.	Mrs. Milton Smith
Mt. Pocono	Monroe	1,720	28	65.0	+3.3	89	29	42	8	34	4.53	−0.72	3.75	0	9	18	7	5	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	69.0	+3.8	98	29	39	8	40	3.42	−1.51	1.96	0	6	23	4	3	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	72.8	+4.2	99	29	51	8	32	3.06	−0.70	1.40	0	8	18	7	5	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	72.2	......	98	29	47	8	31	4.63	+0.40	3.37	0	9	19	9	2	nw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	76.2	+4.8	102	29	59	9	30	3.22	−0.02	1.70	0	9	8	17	5	sw.	U. S. Weather Bureau.
Philadelphia-Gtn.	Philadelphia	113	9	77.2	......	102	29	59	8	28	3.26	....	1.78	0	10	11	16	3	......	Julius Berustein.
Phila. Navy Yard	Philadelphia	12	18	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Commandant. Navy Yard.
Phœnixville	Chester	100	24	75.9	+4.9	103	29†	51	8	37	4.69	+1.08	2.23	0	8	22	6	2	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	71.5	+3.2	97	29	44	8	35	4.04	+0.42	2.51	0	10	17	10	3	nw.	John E. Benner.
Reading	Berks	514	64	74.0	+4.2	99	29	55	8	25	2.02	−1.53	0.71	0	9	5	21	4	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	805	40	71.3	+3.5	93	29	47	8	33	2.45	−1.22	1.30	0	10	4	19	7	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	72.8	+3.9	100	29	45	8	40	2.84	−1.36	1.85	0	10	18	8	4	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	76.0	+4.0	100	30	56	14†	30	3.79	+0.30	2.65	0	6	16	10	4	s.	W. S. Guiles.
Shippensburg	Cumberland	660	1	74.4	......	101	29	51	8	36	2.51	....	0.90	0	11	11	16	3	w.	State Teachers College
State College	Center	1,217	50	72.3	+5.9	95	29	42	8	35	4.14	−0.15	1.62	0	12	18	10	2	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	69.6	+3.2	98	29	42	8†	43	5.78	+1.28	3.50	0	10	21	6	3	w.	State Normal School.
Towanda	Bradford	754	40	70.4	+4.9	94	29	42	8	38	2.65	−1.16	1.51	0	11	12	7	11	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	69.6	+5.3	96	2†	36	8	44	3.43	−0.56	1.63	0	7	23	3	4	w.	George W. Hill.
West Chester	Chester	455	85	......	......	......	......	56^{i}	8	....	4.63	+0.36	2.00	0	7	20	7	3	w.	Joseph W. Belt.
Williamsport	Lycoming	521	48	73.6	+4.8	101	29	45	8	37	3.34	−0.59	2.04	0	8	16	6	8	nw.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	73.2	+5.7	98	29†	51	8	32	3.85	−0.96	2.29	0	9	16	11	3	sw.	Susquehauna Collieries Co.
York	York	400	46	74.0	+4.1	102	29	50	8†	36	2.84	−0.74	1.04	0	9	20	7	3	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	75.4	+6.3	99	29	51	14†	38	3.61	−1.00	1.21	0	7	12	11	7	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	70.2	+7.0	97	4	35	8	43	3.68	−0.62	1.63	0	8	11	14	5	......	John Fawcett.
Butler	Butler	1,077	21	73.8	+6.6	98	29	43	14†	43	3.12	−1.76	1.20	0	7	22	6	2	w.	William C. Faust.
Chambersville	Indiana	1,047	4	72.9	+5.3	97	30	43	14	45	4.39	−0.47	2.97	0	9	18	5	7	sw.	John E. Lewis.
Clairton	Allegheny	1,020	2	74.0	......	99	29	49	14	37	3.21	....	1.50	0	10	9	12	9	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	76.6	+7.8	100	29	46	14	44	3.04	−1.37	0.87	0	9	22	6	2	w.	J. L. Melvin.
Corry	Erie	1,430	21	70.8	+6.2	98	4	44	15	46	2.43	−2.89	0.95	0	9	18	10	2	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	73.8	+5.3	94	29	49	15	34	5.25	+0.36	2.52	0	10	14	24	2	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	70.4	+6.5	91	29	46	8	32	5.32	+0.62	2.43	0	10	22	5	3	sw.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	67.8	+4.2	91	29	42	14	37	5.31	−0.30	1.55	0	7	17	11	2	w.	J. S. Stevanus.
Franklin	Venango	957	60	72.9	+7.1	101	28	36	8	52	2.77	−1.74	1.18	0	7	13	9	8	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	75.0	+7.0	96	29	50	14	36	4.94	+0.56	2.56	0	11	9	19	2	sw.	Westmoreland Water Co
Greenville	Mercer	950	38	74.6	+8.1	102	29	44	14†	48	2.50	−1.48	0.83	0	8	21	6	3	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	71.9	+6.4	92	1†	48	8†	34	3.69	−0.34	1.15	0	9	20	4	6	sw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	74.0	−4 8	98	29	49	8†	37	4.99	−0.18	1.34	0	15	21	8	1	s.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	2	66.4	......	90	3	41	8	35	2.63	....	1.37	0	10	15	10	5	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	42	74.6	+6.4	94	30	54	14	33	5.71	+1.03	3.15	0	8	16	12	2	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	74.4	+9.5	99	4	46	14	45	2.15	−1.97	1.10	0	10	18	7	5	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	75.2	......	98	29	51	13†	34	4.19	....	1.25	0	10	18	9	3	w.	Fred Hoffman.
New Castle	Lawrence	808	54	73.8	+5.0	98	5†	45	15	40	3.43	−0.88	1.26	0	8	18	11	1	w.	New Castle Water Co.
Newell	Fayette	800	14	74.0	+4.7	94	30	50	14	30	3.51	−0.54	1.78	0	7	16	8	6	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	75.9	+5.2	96	29	55	14	29	4.45	+0.64	1.56	0	10	8	16	6	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	71.2	+7.2	98	29	41	15	45	2.00	−2.39	1.50	0	9	15	12	3	s.	West Penn. Power Co.
Sharon‡‡	Mercer	940	21	76.8	+9.3	102	2	47	15	44	1.44	−2.02	0.65	0	4	16	12	2	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	67.6	+2.2	91	29	39	14	41	4.92	−0.28	2.56	0	9	7	19	4	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	75.4	+5.5	97	29	51	14†	36	3.08	−1.69	1.42	0	8	17	12	1	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	75.2	+6.2	100	29	48	14	41	3.13	−1.49	2.06	0	8	18	9	3	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	72.2	+7.4	95	3	48	8	34	1.40	−2.93	1.12	0	9	17	9	4	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	74.8	......	95	17	48	14	38	4.10	....	2.20	0	8	5	22	3	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	71.8	+5.6	97	2	54	7	32	1.45	−1.89	0.54	0	7	17	11	2	w.	U. S. Weather Bureau.
For the State	....	....	....	72.9	+5.0	104	30	35	8	52	3.64	−0.54	3.75	0	9	17	9	4	sw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell: of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for June, 1934

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh											.25		1.30						1.85	.46			.81				T.	.33				5.00
Altoona	Juniata							.25		.30	.16	.32	.02						.48	2.12			.08	.90				T.			.02		4.65
Ansonia‖‖	W. Br. Susq				.73						T.	.65		.17						1.92	.03		.01	.01				.08					3.60
Ardmore	Lower Del						.24			.01	.45		.02						.65	1.87			.43	.01				.18	T				3.86
Arendtsville	Lower Susq						.20			.09		.42	.45							3.19				1.69									6.04
Baker's Summit	Juniata									.48	.58	.17	.49						.57	1.43			T.	.38				.05					4.15
Bedford	Juniata							.04		.32	.03	.14	.20						.50	1.95			T.	.36							T.		3.54
Bellefonte***	W. Br. Susq						.30			.80	.19		.77				T.		1.48	.58		.05	.65	.03			T.	T.					4.35
Bethlehem	Lehigh							T		.01	T.	.40	.72	.04					T.	2.24				1.67				T.	.31		.14		5.53
Bloserville‡‡	Lower Susq									.15	.16		.28						.95	1.10			.22	.60									3.46
Buffalo Mills	Juniata										.48	.38		.20						2.30				.29				.12					3.77
Carlisle	Lower Susq						.03			.10	T	.28	.26	T.					.40	1.10			.09	.37				T.	T.				2.63
Catawissa‡	N. Br. Susq						.06			.12	.25		.27						.03	.09			.30										1.12
Center Hall	Susquehanna						.07			.10	.50		.02	.27					.14	1.98			.27										3.35
Chambersburg	Potomac						.30	.02		.24	.01	.03	.47						.93	.81			.83	.06				T.		T.			3.70
Clearfield	W. Br. Susq		T.				.26			.32	.20	.04							.45	1.71		.37		.56			T.	T.					3.91
Coatesville	Lower Del						.01			T.	.20	.36	.70						.71	1.53			.93	.16				1.55					6.15
Colebrook	Lower Susq						.16			.08	.30	.04	.35				T.		.52	.87			.77	.87				T.					3.96
Conshohocken	Schuylkill																																
Cresson‡	Juniata						.54			.45	.58								1.86	.56		.10	.73	.65									5.47
Doylestown	Lower Del						.26			T.	.01	.66	1.50						T.	1.70			.59	.80									5.52
Emporium	W. Br. Susq					.28	.30			T.	T.		.60	T.					.60	1.41		.19	T.				T.	.02					3.40
Ephrata	Lower Susq						.68	.01		.09		.28	.38					T.	.22	.94			2.05	.45				.01					5.11
Forest City	N. Br. Susq				.15						.18	.20		.10	.05					2.00								.12					2.80
Freeland‖‖	Lehigh				T.			.10			.46	.49	T.	.40						1.42	.59		T.	.24				.03					3.73
Galeton	W. Br. Susq			T.			.13			.05	.04		.33	T.						1.70		.06		.03			.08						2.42
George School	Lower Del				T.		.03			.01	.09	.51	.37	.03					T.	1.68			.43	.08				.03					3.26
Gettysburg	Potomac						.13	.01		.13		.07	.27						.58	1.03			T.	.03									2.25
Girardville‖‖	Lower Susq									.20	.20		.19						1.60	.17			.29					.05					2.70
Gordon	Lower Susq						.65			T.		.25	.15						.02	2.16				.12				.02					3.37
Gouldsboro‖	Lehigh							.10			.26			.09	.05					1.34	.20			.07				.14	.16				2.41
Graterford	Schuylkill						.02				.01	.57	2.41						.02	2.38			.41	.08									5.90
Hamburg	Schuylkill					.06		.22		.06	.02	.64	.24	.25					.05	2.23			.11	.37									4.25
Hanover	Lower Susq						.02	.09		.25		.37	.35						.45	.64				.72									2.89
Harrisburg***	Lower Susq						.52			.04	.53		.44						.94	.46			.48	.10			T.	.01			T.		3.52
Hawley‖‖	Upper Del										.17			.08	.02					1.29	.69			.09				.07	.10				2.51
Hollisterville	Upper Del										.10	.08	.42							1.08	1.15			.05				.23	.28				3.39
Holtwood‖	Lower Susq						.06				.15	.37	.53						.30	.12				.20			T.	.07			.52		2.32
Huntingdon	Juniata						.09	.75		.23	.79		.32						.48	1.11			1.59	.73			T.						5.59
Hyndman	Potomac									.38		.02	.43						.45	2.00				.30					T.				3.58
Kylertown	W. B. Susq							.17			.27	.07		.23						1.67			.19	.79				.11					3.50
Lakeville‖‖	Upper Del										.18	.04		.35	.01					1.33	.66	.01		.06					.36				3.00
Lancaster	Lower Susq						1.01			.03	.13	.47	.70						.12	.68			.31					.06					3.51
Lansford‖‖	Lehigh				T.	T.		T.			*	.35		.10						2.80	.74			.05				.01	T.				4.05
Lawrenceville	N. Br. Susq			T.	.82		T.				.18		.55						T	1.05			.25			T.		.42					3.77
Lebanon	Lower Susq						.09				.03	.22	.14	.30						1.72	.01		.85				T.						3.36
Lewisburg	W. Br. Susq				.05		.41			.04	.30		.21							§													§
Lock Haven	W. Br. Susq									.08	.23		.13						.07	1.88				.45				.05					2.89
Marcus Hook	Lower Del						T.			*	1.50	.16					T.	T.	*	1.60							.51		T.		.23		4.00
Matamoras‖‖	Upper Del							1.09				.19		.42						1.62	.80				.03				.10				4.25
Mauch Chunk	Lehigh									.04	.63		.08	.03					.15	1.91				.10									2.94
Mifflin	Juniata						.04			.11		.31	.04						.20	1.57			.04	.25									2.56
Montrose	N. Br. Susq				.27		.10				.25			.08						2.00							T.	.27					2.97
Morris Run	N. Br. Susq				.58		.10				.61		.49	.20	.05				.04	1.71			.02	.03				.08					3.91
Mount Pocono	Upper Del						.01			.03	.25	.14	.15							3.75	.05			.05				.10					4.53
Muncy Valley	W. Br. Susq				.19		T.			.03	1.20	.04		T.					.05	1.91													3.42
Neshaminy‖‖	Lower Del									.03	.50	.04	.22						.31	1.40			.53	.03				T.					3.06
New Park	Lower Susq	.08								.18	.38		.95						.48	.90	.17										.81		3.95
Newport‖‖	Juniata								.20		.20	.14		.13						2.00				.60				.02					3.29
Palmerton‡	Lehigh				T.					.17	.49		.24	.13					1.31	2.06			.19	.02			T.	.02					4.63
Paupack‖‖	Upper Del										.18	.12								1.47	.60			.05				.15	.20				2.77
Philadelphia***	Lower Del		T.				T.	T.		.01	.37	.01	.35						.78	.92			.60	.02			T	.16	T.				3.22
Philadelphia-Gtn	...do				T.		.30				.01	.32	.17						.16	1.78			.33	.03				.15	.01				3.26
Phila. Navy Yard‖‖	...do				T.																												
Phila-P'nt Breeze‡	Lower Del	T.		T.						T.		.55	.33						*	1.74	T.		.57					.46					3.65
Phoenixville	Schuylkill				T.		.44			T.	.03	.21	.78							2.23			.03	.85				.12	T.				4.69
Pine Grove	Lower Susq						.88			.05	.20		.27						1.15	1.00			.10	.17			.01	.02					3.85
Pleasant Mount	Upper Del			.46			.09				.75		.19		.10					2.75			.13				.22						4.69
Pottstown	Schuylkill						T.			.02	.28		.52						.65	.11			.39	.06			T.	.07					2.10
Pottsville	Schuylkill				T.			.32		.02	T.	.20	.28	T.					.02	2.55				.42					.13				3.94
Quakertown	Lower Del				.01			.04		.06	T.	.15	.50						T.	2.51			.04	.33	.01				.39				4.04
Reading***	Schuylkill				T.		.25			.01	.20		.40						.34	.37			.36	.04			T.	.05					2.02
Renovo‖‖	W. Br. Susq							.01			.12	.17		1.20						1.80			.03	.25									3.58
Retreat	N. Br. Susq				T.			T.		.01	.90	.16	.02	.03						1.43				.10				.06					2.71
cranton***	...do			.01			T.			.19	.10		.21	T	T.				.33	.97		T.	.02	.16			.05	.41					2.45
elinsgrove	Lower Susq						.17			.11	.12	.03	.04	.12					.20	1.65			.20	.20									2.84
hawmont	Schuylkill				T		.27	.01			T.		.14						T	2.65			T.	.44				.28					3.79
hippensburg	Lower Susq						.04	.01		.16	.04	.41	.39						.40	.50			.07	.48				.01					2.51
now Hill‡‡	Upper Del										.46	.10			.12					2.84								.20	.38				4.10
tate College	W. Br. Susq						T.	.10		.12	.20	.24	.03				.01		.88	1.62		.04	.18	.60			T.	.12					4.14
troudsburg‖‖	Upper Del										.25	1.00	.36	.05						3.45	.05			.25	.10			.05	.22				5.78
unbury	Lower Susq								1.44		.13	.01		.25						1.30	T.			.23									3.36
Towanda	N. Br. Susq	T.		T.	.45		.18			T.	.15		.05	T.	.02				.09	1.51		.03		.06			.04	.07					2.65
Weikert	Lower Susq																																
Wellsboro	W. Br. Susq			.49	.28					T.	.70		.23						.33	1.30		T.					T.	.10					3.43
West Chester	Lower Del						.07			.05		.78	.58							2.00				1.50				.65					4.63
Westgrove‖‖	...do							.07				.30		.50					.10	2.88	.02			.05				T.	.44	T.			4.36
Wilkes-Barre‖‖	N. Br. Susq				.30			T.		.06	.50			.03	T.					.72	.40			.11		.11		.10	T.				2.33
Williamsport‖‖	W. Br. Susq				.04			.07		.13	.29			.14						2.02	.02		T.	.63									3.34
Williamstown	Susquehanna						T	.02		T.		.57	.20	.22					.15	2.14			.30	.21				.04					3.85
York	Lower Susq						.02	.11		.08		.51	1.04						.26	.44			.05	.33									2.84
York Haven‖‖	Lower Susq							2.35			.27	.61		.22						1.07	.01			.79									5.32
Zionsville (near)	Schuylkill							.05		.01		.30	1.28							3.04				.16					.51				5.35
Trenton, N. J***	Lower Del			T.	T.		T.			.06	.61	T.	1.18	T.					.32	.85			.21	.17			T.	.01					3.41

Continued on page 29.

Daily Precipitation for June, 1934—Continued from page 28

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio										.07	.05								.92			.01	.87				1.21	T.		.48		3.61
Beaver Falls‖‖	Beaver										.07	.04								.71			.01	.55				.90			.21		2.49
Brookville	Allegheny						T.	.16			.28	.46								1.63		T.	.32	.34				.22			.27		3.68
Butler	Ohio									.08		.05								1.20		.02		.90			.84			.03			3.12
Chambersville	Allegheny						T.			.02	.29	.07	.23						.48	2.49				.45			.15	.21		T.			4.39
Clairton‡	Monongahela			T.	.01	T.				.01	.02	T.	T.						1.45	.05		.18	.55	.28			.37			.29			3.21
Claysville	Ohio			T.			T.			.20	.02		.01						.61	.47			.02	.64				.87			.20		3.04
Clymer‡‡	Conemaugh								.28		.30								*	2.52			1.25										4.35
Confluence‖‖	Youghiogheny										.51		.10	.30					2.30				.70										3.91
Corry	Allegheny									.25	.20			.02					.38	.95		.34		.02			.06	.21					2.43
Derry	Conemaugh					T.				.41		1.23	.01						.62	1.90			.03	.76				.15		.11	.03		5.25
Donora‖‖	Monongahela			T.						.20		.03		.21					T.	2.03			.23	.95				.39			.13		4.17
Ebensburg	Conemaugh						.15	.24		.37	.32	.58							.38	2.05			.15	.95				T.		T.	.13		5.32
Elk Lick	Youghiogheny									.62	.20		.49							*	1.55	1.10		1.35									5.31
Franklin‖‖	Allegheny											.26								1.18			.86	.22				.18	.03		.04		2.77
Greensboro	Monongahela						.01			.02	.39			.36						1.68			T	.17				.06			.10		3.29
Greensburg	Youghiogheny	T.		.33	T.					.33	T.		.06						1.14	1.52			.10	.97			.03	.22		.27	.07		4.94
Greenville	Beaver					.34	.29			.13									.89	.44		.38		.23			T.	.30					2.50
Grove City	...do				.43	.05				.07	.43								T.	.84			.04	T.	.50		.18	1.15					3.69
Herrs Isl. Dam‖‖	Ohio				.23	.64					.09		T.							1.43			T	.55				.62			1.03		4.59
Irwin	Monongahela			.07						.17	.10		.12						.38	1.97		.03	.28	1.20				.40		.07	.08		4.87
Johnstown	Conemaugh	T			.01	T.	.05	.01		.45	.53		.05						1.13	1.34		.04	.90	.32		.01	.03	.01		.11			4.99
Kane (near) ‡‡	Allegheny				.62		.09			.07	.04		.07	.01					1.37			.23		T			.01	.12					2.63
Kregar‖‖	Youghiogheny									.73			.18							2.51		T.	.85	T	.04		.13			.10	.28		4.82
Lake Lynn‖‖	Monongahela					.04	.12				.32			.15						.85				.61				.03			.08		2.20
Linesville‖‖	Beaver					.06		.01			.31			T.				T		1.27			.27	.05				.20	T.		T.		2.17
Lock No 2‖‖	Ohio					.46	.02			T.	.04	.30								.80			.04	.93			.82			.95			4.36
Lock No. 4‖‖	Monongahela				T		.07			.05	.14	.11		.06						2.04			.20	.70				.42			.17		3.96
Lock No. 5‡‡‖‖	Allegheny										.05	T.		.03						1.34			.06	.58				.72					2.78
Lycippus	Conemaugh	T.				T.				.41	T.	.17							.85	2.30		T.		1.10				.20		.36	.32		5.71
McKeesport‖‖	Monongahela					T.	T.				.01									1.38			.19	.78				.39			.19		2.94
Meadville	Allegheny					.05	.10			.23			.05						.15	.95		.06		.07			.12	.37					2.15
Mosgrove	...do																			1.18				.85				1.13					§
Mount Lebanon	Ohio			T.			T.			.08	T		.20						1.10	.15		.09	.69	.35			.83	.01		.69			4.19
Natrona‖‖	Allegheny									T	.08	.27								1.75			.04	.45				.57			.14		3.30
New Castle‖‖	Beaver								.17			.10		.06						.55		T.	.08	1.26				1.20	.01		T.		3.43
Newell	Monongahela						.03			.31				.16						1.78			.13	.75				.35					3.51
Parkers Landing‖‖	Allegheny							.57		T.	.22	.20							T.	1.58			.13	.73				.83					4.26
Pennline‖‖‡‡	Beaver										.30									1.16			T	.07				.16					1.69
Pittsburgh***	Ohio			.24	.53	T.				.06	.01		.01						1.56	T.		T.	.46	.01			.66	T.		.91			4.45
Punxsutawney‖‖	Allegheny				.22	.24		.48			.42			.10	.48				.17	2.42			T.	.59			.41						5.53
Ridgway	...do						.02	.01		.12	.10									1.50			.04	.10				.07	.04				2.00
Saltsburg‖‖	Conemaugh										.08	.03								2.40		.02	.15	1.25	.01			.25			.80		4.99
Sharon‖‖	Beaver							T.		.11	T.	T.		T.							.65			.22				.46					1.44
Smethport	Allegheny					.42	.08	T.			T.	.01		.20						1.10			.10					T.					1.91
Somerset	Youghiogheny					.01			.27	.41		.95	.23						.84	1.72				.48		T					.01		4.92
Springdale‖‖	Allegheny				.02						.07	.17		.02						1.66			.02	.41				.62			1.36		4.35
Uniontown	Monongahela					T.				.50	.07		.13						.81	.61				.84				.04			.08		3.08
Unity Reservoir‡‡	Youghiogheny									.33	.03		.08						1.06	1.45			.05					.27		.21	.04		3.52
Vandergrift‡	Conemaugh									.04	.15								1.73	.33		.06	*				.75	.07					3.13
Warren	Allegheny					.05	.01				.04		.04						.15	.97		.08	.03					.03					1.40
Waynesburg	Monongahela					.12				.46	.06								1.82	.38				.86				.22			.18		4.10
Westford‖‖	Beaver				.34					.15										1.18		.46	.10				.15	.10					2.48
West Newton‖‖	Youghiogheny				T.	T.				T.	.28		.18							1.65			.11	.85				.24			.47		3.78
Lake Drainage.																																	
Erie***	Lake Erie					.41				.10			T.	T.					.38	.16			.01	T.			.23	.16					1.45

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.88	30.29	8	29.54	12	11.2	34	se.	18	68	64	66	83
Harrisburg	29.89	30.36	8	29.45	19	7.3	27	w.	22	74	53	61	74
Philadelphia	29 92	30.39	8	29.40	19	12.0	35	sw.	10	73	50	60	66
Pittsburgh	29 90	30.23	8	29.58	12	8.3	43	nw.	22	74	61	59	82
Reading	29.90	30.41	8	29.42	19	10.5	43	se.	19	73	54	62	63
Scranton	29.90	30.37	8	29.53	19	7.1	19	n.	19	77	51	60	65

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.1	3.6	21	1.5	18	18
Phillipsburg	Delaware	2.0	4.2	21	1.0	17	22
Mauch Chunk	Lehigh	2.6	5.0	19	1.9	17	17
Wilkes-Barre	Susquehanna	3.1	6.2	22	2.2	4	20
Williamsport	Susquehanna	1.2	3.3	21	0.6	18	20
Harrisburg	Susquehanna	3.7	4.5	24	3.4	15	17
Greensboro	Monongahela	10.7	11.2	16	10.2	29	30
West Newton	Youghiogheny	0.5	2.7	20	0.3	29	20
Lock No. 4	Monongahela	11.0	11.5	22	10.7	5	30
Pittsburgh	Ohio	10.0	11.1	20	9.7	10	25
Beaver Dam	Ohio	7.5	7.9	20	7.0	15	30

Daily Temperatures for June, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	85	80	87	81	81	82	80	73	70	87	82	71	73	79	87	87	82	76	69	82	91	84	84	87	83	82	90	89	99	89	....	82.4
	Minimum	60	62	68	59	59	69	66	52	55	60	63	59	58	56	54	60	60	60	62	55	61	69	66	61	64	57	62	64	69	69	....	61.3
Altoona	Maximum	85	89	93	91	89	87	83	72	73	84	79	76	73	79	85	89	82	78	80	85	89	85	78	88	82	85	85	93	95	87	....	84.0
	Minimum	60	57	61	64	59	61	64	43	57	63	59	53	50	49	48	58	57	63	60	58	65	65	62	58	59	52	63	65	70	70	....	59.1
edford	Maximum	90	93	96	94	93	88	88	85	75	88	86	86	79	85	86	92	90	83	79	89	92	92	92	92	92	90	88	97	99	91	....	89.0
	Minimum	60	54	60	61	62	63	68	46	57	60	65	56	49	45	47	51	57	63	62	56	66	68	64	60	67	54	65	64	65	69	....	59.5
Bellefonte	Maximum	87	90	92	88	89	87	75	70	70	86	78	78	69	78	83	86	82	67	79	83	89	84	83	85	82	81	86	90	96	88	....	82.7
	Minimum	62	61	61	70	60	62	43	39	60	60	55	50	50	50	46	51	55	61	60	56	63	63	63	57	60	55	65	65	67	64	....	57.8
Brookville	Maximum	92	96	94	97	95	94	91	78	91	81	88	78	82	70	78	86	89	89	73	82	88	92	84	86	90	83	80	85	94	96	....	86.7
	Minimum	53	55	54	59	58	57	55	35	55	58	53	46	48	40	38	45	53	64	60	47	61	54	62	50	51	49	62	63	62	64	....	53.7
Butler	Maximum	94	91	96	95	92	88	86	85	80	88	80	87	80	75	86	88	95	91	79	89	91	91	93	91	87	84	87	96	98	96	....	88.6
	Minimum	54	70	55	60	67	66	57	50	68	55	56	78	52	43	43	51	55	61	57	50	66	59	62	60	60	53	64	63	71	68	....	59.2
Carlisle	Maximum	90	90	90	90	88	91	82	80	71	89	87	86	77	82	89	93	93	83	82	90	94	92	88	93	92	90	93	97	102	95	....	88.6
	Minimum	58	58	61	66	65	66	68	45	61	62	63	58	55	58	52	55	63	63	63	58	61	73	65	60	68	59	68	68	68	72	....	62.0
Catawissa	Maximum	88	91	92	87	89	89	80	88	74	88	84	86	86	86	88	91	89	82	83	89	93	86	89	93	88	86	89	98	102	102	....	88.5
	Minimum	65	65	69	66	66	69	57	46	60	64	61	55	58	52	47	53	54	64	61	53	54	65	65	57	61	54	65	66	63	67	....	60.1
Chambersburg	Maximum	89	89	90	90	88	89	82	72	72	86	87	81	77	83	87	93	87	79	82	91	94	92	86	92	89	91	92	96	102	94	....	87.4
	Minimum	59	60	63	64	65	66	65	51	59	64	64	60	54	53	53	58	64	65	63	60	68	68	66	61	70	59	69	68	71	75	....	62.8
Chambersville	Maximum	91	93	91	93	92	93	78	78	78	87	82	81	74	82	89	93	92	93	82	88	88	87	85	90	84	87	83	94	96	97	....	87.4
	Minimum	61	60	59	66	66	64	58	47	60	63	56	54	52	43	44	52	62	62	60	52	66	59	62	56	61	51	62	61	69	65	....	58.4
Claysville	Maximum	94	97	96	94	93	91	87	93	87	87	87	86	82	87	92	95	97	91	86	92	91	90	87	93	92	96	84	98	100	98	....	91.4
	Minimum	64	67	65	65	66	66	59	57	66	71	55	58	53	46	48	56	60	66	60	56	69	65	65	58	62	55	65	67	74	68	....	61.7
Clearfield	Maximum	92	96	94	92	91	86	80	75	74	86	75	81	68	74	86	91	86	76	83	86	89	87	84	87	85	83	85	94	98	90	....	85.1
	Minimum	59	62	58	63	60	62	60	39	66	61	58	48	49	43	48	52	48	62	60	51	51	65	60	56	56	53	63	65	66	67	....	57.0
Coatesville	Maximum	87	86	88	88	86	90	80	77	73	90	85	83	78	81	87	91	85	76	75	86	94	93	87	90	86	86	93	90	100	95	....	86.2
	Minimum	57	57	64	61	65	66	68	50	55	66	64	58	61	56	55	62	61	60	64	56	64	63	65	60	70	59	65	67	71	73	....	62.1
Corry	Maximum	96	97	96	98	93	94	75	86	82	84	85	78	70	78	88	86	86	80	84	87	90	87	89	92	82	81	82	96	95	92	....	87.0
	Minimum	50	60	60	54	62	58	53	45	57	59	48	53	51	46	44	52	54	64	56	47	50	48	57	55	49	52	64	61	70	60	....	54.6
Emporium	Maximum	90	92	94	90	90	85	75	75	76	85	77	79	65	77	83	85	84	75	80	85	88	82	85	86	82	79	80	91	94	88	....	83.2
	Minimum	55	57	60	62	63	65	62	38	61	62	58	50	50	48	47	51	53	63	61	53	60	56	66	53	56	52	63	66	67	64	....	57.4
Erie	Maximum	94	97	81	86	89	81	63	77	78	77	76	73	66	73	83	75	82	80	80	89	87	69	81	88	76	77	75	94	90	84	....	80.7
	Minimum	62	73	64	67	70	63	54	54	66	65	57	60	58	56	60	64	63	65	60	58	64	56	62	69	62	60	65	67	75	72	....	63.0
Franklin	Maximum	99	96	100	98	95	94	81	88	82	91	86	82	79	83	90	93	94	76	87	90	92	88	91	93	83	86	85	101	100	91	....	89.8
	Minimum	55	61	62	58	62	65	55	36	51	55	44	49	49	46	44	52	57	62	58	54	60	55	63	52	56	52	65	66	70	67	....	56.0
Freeland	Maximum	83	84	87	77	82	83	71	69	64	79	75	70	68	73	77	78	80	70	62	77	86	81	79	85	78	77	82	87	93	86	....	78.1
	Minimum	63	64	63	58	62	64	58	46	52	62	60	55	56	50	55	62	57	56	55	54	67	62	61	63	62	56	58	65	71	70	....	59.6
Gettysburg	Maximum	87	85	87	87	85	87	80	74	69	87	86	78	76	81	87	92	89	80	79	88	92	89	85	90	89	88	92	94	101	96	....	86.0
	Minimum	57	63	64	67	67	68	67	53	58	64	62	61	57	54	54	59	65	63	64	60	67	73	66	61	71	67	70	69	72	76	....	64.0
Greensburg	Maximum	92	94	92	93	90	88	84	82	79	86	83	80	81	82	85	91	92	84	82	87	89	87	89	91	86	90	83	92	96	87	....	87.2
	Minimum	63	63	68	57	65	64	60	52	63	68	60	59	54	50	54	56	65	64	63	67	67	67	64	69	64	67	64	70	74	66	....	62.9
Grove City	Maximum	92	92	92	90	88	89	87	82	81	78	73	75	75	70	80	85	83	78	77	82	82	78	85	89	89	76	76	82	92	91	....	88.0
	Minimum	70	66	68	64	64	65	61	48	51	62	55	60	55	50	48	57	62	60	68	54	70	56	61	62	59	54	64	65	75	69	....	60.8
Hamburg	Maximum	....	....	....	....	88	87	86	76	74	86	82	80	76	80	86	89	82	80	70	85	91	86	85	87	85	85	89	93	100	92	....	84.6[d]
	Minimum	....	....	....	....	63	69	63	47	59	65	64	60	55	48	58	64	54	54	62	52	59	65	66	57	60	54	64	67	68	63	....	60.4[d]
Harrisburg	Maximum	85	84	86	86	84	88	76	70	70	85	84	78	73	80	86	90	82	68	80	87	92	88	88	88	87	85	90	92	100	92	....	84.1
	Minimum	65	66	68	65	68	66	61	53	60	66	66	62	61	59	57	63	64	63	63	61	68	66	66	66	71	63	66	70	75	74	....	64.7
Hawley	Maximum	87	91	89	81	87	88	84	74	72	84	78	74	73	77	84	84	83	80	66	82	91	85	83	88	84	77	72	86	93	89	....	82.2
	Minimum	60	54	64	56	57	62	63	37	54	63	56	47	49	54	42	52	46	50	57	47	52	59	58	49	53	49	55	63	64	57	....	54.3
Huntingdon	Maximum	90	93	95	93	92	89	80	70	75	87	83	80	75	82	87	92	85	68	83	89	92	87	86	90	86	86	89	94	98	91	....	86.2
	Minimum	62	56	60	64	61	62	62	42	62	61	60	52	50	47	47	52	60	58	62	55	62	68	65	60	61	54	65	66	67	68	....	59.0
Johnstown	Maximum	91	95	95	95	93	87	85	77	80	85	85	78	73	82	86	91	90	75	84	89	89	88	85	90	89	91	84	95	98	88	....	87.0
	Minimum	62	58	61	68	63	64	66	49	58	67	62	56	54	49	49	54	61	64	62	57	67	65	64	60	64	56	65	64	69	68	....	60.9
Lancaster	Maximum	86	87	89	90	87	88	82	80	76	89	88	86	80	83	89	93	88	80	72	87	94	92	87	90	90	88	91	92	103	96	....	87.4
	Minimum	54	59	62	63	65	67	64	51	59	61	62	58	57	53	51	59	59	60	68	54	61	58	65	59	68	58	65	68	69	71	....	60.9
Lawrenceville	Maximum	96	98	99	89	95	90	86	80	80	92	79	79	67	79	85	86	89	83	78	85	92	85	87	92	84	88	79	96	96	93	....	86.9
	Minimum	56	61	66	66	63	68	60	40	59	58	56	48	49	49	45	56	49	64	58	50	62	56	63	53	53	59	38	64	69	60	....	56.6
Lebanon	Maximum	88	87	88	88	86	88	79	75	75	88	84	77	75	81	86	90	84	71	78	86	93	88	84	89	85	86	91	92	101	93	....	85.2
	Minimum	60	62	64	64	64	69	65	53	59	62	63	61	57	54	52	58	63	63	64	55	62	70	65	60	69	60	65	69	71	71	....	62.5
Marcus Hook	Maximum	88	92	88	88	90	86	81	75	94	87	88	81	83	86	95	94	84	73	86	98	94	94	91	95	91	88	90	88	102	104	....	89.1
	Minimum	66	68	62	69	75	73	58	58	73	73	66	67	60	63	62	52	64	65	63	69	75	75	71	70	75	68	66	70	73	78	....	67.6
Meadville	Maximum	98	97	98	99	98	94	89	88	87	86	82	80	75	79	88	87	88	88	84	91	92	84	88	94	95	83	85	97	98	96	....	89.6
	Minimum	53	67	64	57	65	68	56	51	64	62	52	59	51	46	47	55	60	66	57	53	71	54	62	60	54	54	66	64	73	69	....	59.3
Mifflin	Maximum	89	92	95	91	93	93	81	81	71	90	85	86	79	85	90	93	93	82	80	90	95	92	88	93	93	89	95	97	103	103	....	89.6
	Minimum	63	58	61	69	62	64	64	43	63	59	75	54	50	55	47	53	59	64	62	57	62	69	65	69	67	57	67	70	68	75	....	61.7
Montrose	Maximum	82	84	85	79	80	81	74	68	67	82	71	74	70	78	79	81	80	75	67	75	86	82	75	82	79	74	72	81	89	80	....	77.9
	Minimum	62	61	65	61	69	65	54	44	55	61	53	54	51	49	46	57	55	57	55	50	61	55	60	55	56	53	56	64	70	59	....	57.1
Muncy Valley	Maximum	86	88	89	86	87	87	76	74	70	81	79	74	71	78	83	84	85	77	70	83	90	84	84	85	80	80	83	90	98	90	....	82.4
	Minimum	60	57	61	65	60	66	57	39	60	61	54	49	49	45	43	49	50	60	58	47	56	59	62	51	52	50	61	62	64	60	....	55.6
Philadelphia	Maximum	86	84	86	86	85	87	81	76	75	89	86	87	77	81	86	91	84	75	71	86	93	90	85	89	86	85	89	87	102	94	....	85.3
	Minimum	65	67	63	62	70	72	63	59	59	70	66	67	67	63	67	68	65	64	62	66	69	68	71	68	74	71	68	71	72	78	....	67.2
Pittsburgh	Maximum	90	92	90	92	88	87	82	83	80	84	80	80	72	79	86	89	91	76	83	89	90	86	86	90	84	90	82	95	96	89	....	86.0
	Minimum	70	71	72	68	70	68	58	57	67	71	63	65	57	55	57	63	70	65	60	62	73	63	66	67	69	64	68	72	69	73	....	65.8
Quakertown	Maximum	86	85	87	85	86	88	80	79	71	87	83	81	75	80	84	88	83	77	71	82	90	87	84	87	83	84	86	85	97	96	....	83.9
	Minimum	55	62	61	55	57	67	63	44	55	63	60	56	55	54	61	65	56	57	60	51	59	66	65	59	56	54	56	66	69	66	....	59.1
Reading	Maximum	87	84	87	84	84	86	77	74	70	86	82	76	71	79	84	88	81	72	71	83	92	87	84	87	83	84	89	89	99	93	....	83.1
	Minimum	66	66	65	59	68	70	62	55	58	66	65	64	62	57	59	68	63	61	63	62	71	68	65	64	70	63	65	69	75	75	....	64.8
Ridgway	Maximum	94	94	96	95	94	92	77	83	79	86	86	83	68	80	86	87	86	88	73	84	86	92	87	89	85	84	84	92	98	91	....	86.6
	Minimum	54	58	57	62	67	66	62	46	60	60	54	46	49	42	41	47	53	59	51	64	62	52	55	50	50	50	65	65	66	65	....	55.9
Scranton	Maximum	89	88	92	83	89	88	73	75	68	83	76	78	70	77	83	82	83	78	66	81	90	80	83	88	79	77	81	90	93	87	....	81.7
	Minimum	67	64	69	65	68	71	56	47	60	65	60	54	54	57	50	58	54	61	58	54	61	66	61	56	63	61	61	67	72	66	....	60.9
Selinsgrove	Maximum	81	87	90	87	87	89	75	74	74	86	83	80	74	82	86	88	86	86	80	86	91	91	87	88	86	83	90	92	100	92	....	85.4
	Minimum	62	62	65	69	63	67	67	45	60	62	59	53	53	52	46	48	56	54	60	63	63	64	63	59	68	56	65	65	70	70	....	60.3
Somerset	Maximum	82	86	89	86	84	82	80	75	75	79	77	75	72	74	79	85	83	77	75	82	84	84	80	84	82	88	80	89	91	83	....	81.4
	Minimum	55	48	55	55	53	56	60	43	54	65	57	50	45	39	40	44	52	60	55	51	58	64	60	51	56	48	60	56	60	64	....	53.8
State College	Maximum	88	92	94	91	91	87	77	72	72	85	78	77	72	79	85	88	84	75	80	84	90	84	83	87	87	81	86	91	95	90	....	84.2
	Minimum	64	63	64	67	63	62	59	42	58	62	60	53	54	54	50	57	56	62	59	59	68	64	62	59	64	56	63	67	70	70	....	60.4
Stroudsburg	Maximum	83	85	86	77	87	88	77	72	70	83	84	75	75	79	85	87	84	74	71	84	91	87	82	87	82	83	83	84	98	91	....	82.5
	Minimum	62	60	61	59	60	64	65	42	48	49	58	52	52	55	42	51	52	54	61	52	57	68	63	55	59	55	59	60	67	62	....	56.8
Towanda	Maximum	92	91	92	84	90	86	77	78	71	87	76	80	69	78	83	83	85	81	71	82	90	78	82	87	80	77	76	92	94	89	....	82.7
	Minimum	61	67	66	67	65	69	54	42	59	62	56	48	50	55	45	54	50	61	59	53	60	59	62	52	56	53	59	66	69	61	....	58.0
Uniontown	Maximum	90	94	92	95	92	83	82	77	78	83	83	79	76	81	85	92	96	86	81	89	90	90	85	89	85	92	86	94	97	88	....	87.0
	Minimum	64	61	68	66	62	67	64	64	67	70	64	62	56	51	51	56	67	65	62	60	69	70	65	59	67	59	66	69	71	69	....	63.7
Vandergrift	Maximum	93	95	91	94	92	93	81	82	83	91	82	87	75	82	90	91	94	76	88	92	93	91	67	94	88	87	83	97	100	90	....	88.1
	Minimum	66	66	67	70	70	67	61	53	65	70	61	59	54	48	49	55	54	64	62	57	68	64	60	65	62	57	66	66	72	69	....	62.2
Warren	Maximum	89	93	95	90	89	86	86	78	78	78	80	75	75	72	80	83	87	82	78	85	86	87	87	85	86	80	78	94	90	90	....	84.1
	Minimum	55	65	68	61	68	67	60	48	59	58	56	56	56	52	50	54	56	66	62	60	62	63	63	62	60	56	68	68	70	64	....	60.4
Waynesburg	Maximum	90	91	90	93	89	86	86	90	82	83	83	82	78	83	87	92	95	87	83	87	87	88	84	88	88	91	83	94	94	88	....	87.4
	Minimum	61	62	66	67	64	65	62	56	65	70	61	60	53	48	51	54	61	65	61	60	73	67	64	61	64	57	65	67	70	68	....	62.3
Wellsboro	Maximum	93	96	96	85	90	89	84	77	74	89	77	76	69	72	81	84	89	79	79	87	90	79	87	90	83	74	78	96	96	92	....	84.4
	Minimum	57	61	60	60	67	63	54	36	54	64	57	46	46	49	41	50	45	59	57	47	58	54	64	49	50	50	58	64	66	57	....	54.8
Williamsport	Maximum	89	94	92	87	89	89	76	76	67	88	85	78	70	84	87	89	88	81	82	87	93	87	93	92	86	84	85	94	101	94	....	86.2
	Minimum	64	62	66	70	66	68	62	45	63	64	60	53	54	54	50	56	55	63	60	55	60	66	65	57	63	57	65	69	69	68	....	61.0
Williamstown	Maximum	87	86	89	89	86	87	79	80	73	81	83	80	74	80	83	88	93	91	73	85	89	86	84	87	86	84	88	90	98	98	....	85.2
	Minimum	63	62	64	59	64	65	57	51	55	55	61	59	57	54	58	64	61	59	57	57	68	68	61	64	58	60	61	66	71	73	....	61.1
York	Maximum	88	88	89	89	86	89	78	77	71	87	86	80	76	81	88	92	89	79	76	89	94	92	85	91	89	88	93	93	102	96	....	86.7
	Minimum	55	56	63	67	68	69	65	50	59	62	61	59	55	50	52	58	60	63	65	53	61	67	65	60	68	58	68	66	68	70	....	61.4

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

SEP 10 193

Vol. XXXIX. July, 1934. No. 7.

GENERAL SUMMARY.

This was the third warmest July of record for Pennsylvania, being exceeded only in 1901 and 1921. Temperatures were almost constantly above the normal, and the maximum of 107 degrees just equaled the previous high record. The rainfall average was only slightly below the July normal, yet there were numerous complaints of drought conditions, especially from the northwestern portion of the State. Rains were mostly light or moderate until near the end of the month when heavy thundershowers covered fully three-fourths of the State. These showers were heaviest and most general in the eastern and southwestern counties, and did not relieve the drought in the northwest. A few damaging local storms occurred early in the month, but such storms were numerous during the last week. On the 4th there was apparently a small tornado at Cambridge Springs, about twenty miles south of Erie, its damage being chiefly the uprooting of trees. On the same date a severe windstorm in the region of Scranton did considerable damage to trees and wires. During another severe storm in the Scranton region on the 13th, two girls were killed and a third seriously injured by a single bolt of lightning. Another bolt struck the Atlas Powder Mills, southwest of the city, causing an explosion that seriously injured two men. On the 15th considerable damage was done by wind and lightning in Carlisle and vicinity. A series of severe local storms covered the period from the 25th to 28th inclusive, and did much damage. On the 25th, at Montoursville, a few miles east of Williamsport, twenty-two thoroughbred Holstein cows, huddled under a large tree, were instantly killed by a bolt of lightning. On the same date five churches were damaged by lightning in Wilkes-Barre and vicinity, and a radio station was put out of commission. On the 27th a local storm at Chambersburg did many thousands of dollars of damage. The wind uprooted many large trees and tore down telephone and electric wires. During the storm there was a rainfall of 4.77 inches in two hours, flooding many basements. On the night of the 27-28th, an unusually severe storm occurred in Scranton and vicinity. The sewer system of the city, and several nearby coal mines were flooded by the torrential rains. Streets and nearby highways were flooded in many places, and traffic temporarily suspended. On that night the rains were heavy in Wayne County, flooding the Lackawaxen, and causing a stage of eleven feet at Hawley. The official flood stage at that point is nine feet. The month as a whole was more or less unfavorable for agriculture. In most regions the pastures and meadows suffered during the first three weeks for want of moisture. This was largely due to drought conditions that developed in many regions during June, and were not relieved. As a rule the first cutting of hay was moderate in the eastern and light in the western counties. Corn withstood the drought much better, and was not seriously stunted excepting a few small regions. Moderate to good rains covered the chief potato and tobacco growing regions, and those crops were fair to good at the close of the month. Oats was badly stunted in a large portion of the State, heading on such short straw that it was necessary to mow a considerable portion of the crop for feed. The buckwheat region was too dry at seeding time, and the crop did not do well. It was improved in some regions by the rains that occurred near the end of the month.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 92 stations, was 75.5°, which is 3.5° above the normal. The highest monthly mean was 81.0° at Holtwood, and the lowest was 63.8° at Gouldsboro. The highest temperature recorded was 107°, at Hyndman on the 26th. The lowest temperature recorded was 40° at Elk Lick on the 16th, at Mt. Pocono on the 17th, and at Wellsboro and Ridgway on the 18th. The greatest daily range in temperature was 52° at Wellsboro on the 19th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations taken at 144 well-distributed stations, was 4.01 inches, which is 0.28 inch less than the July normal. The greatest monthly amount was 7.83 inches at Ephrata, and the least was 1.16 inches at Greenville. The greatest amount recorded in any 24 consecutive hours was 4.91 inches at Chambersburg on the 27-28th.

COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.2	−2.8	97	38	3.45	−0.84	7.10	1.40	......	8	15	10	6
1889	71.6	−0.4	96	39	6.80	+2.51	15.02	1.04	......	13	12	10	9
1890	70.7	−1.3	101	33	3.52	−0.77	6.40	0.70	......	8	13	11	7
1891	67.8	−4.2	97	34	6.32	+2.03	11.61	2.63	......	13	11	10	10
1892	73.1	+1.1	103	38	3.93	−0.36	8.59	2.15	......	10	15	11	5
1893	72.1	+0.1	102	36	3.15	−1.14	6.27	1.58	......	10	15	12	4
1894	73.8	+1.8	103	31	2.32	−1.97	5.96	0.53	......	7	15	11	5
1895	69.1	−2.9	102	34	3.24	−1.05	6.18	1.16	......	9	12	12	7
1896	72.8	+0.8	98	40	6.89	+2.60	15.59	3.04	......	14	10	11	10
1897	73.4	+1.4	103	41	6.26	+1.97	14.51	2.10	......	14	10	11	10
1898	74.8	+2.8	107	33	3.36	−0.93	6.29	1.15	......	9	12	12	7
1899	72.3	+0.3	101	35	3.91	−0.38	8.24	1.53	......	10	12	11	8
1900	74.0	+2.0	104	35	4.86	+0.57	8.26	1.81	......	11	14	12	5
1901	76.4	+4.4	107	45	3.88	−0.41	7.34	1.52	...	11	10	13	8
1902	71.8	−0.2	99	41	6.04	+1.75	12.35	2.11	......	15	10	12	9
1903	71.2	−0.8	98	35	5.36	+1.07	8.81	1.76	......	12	13	12	6
1904	70.6	−1.4	99	34	4.68	+0.39	9.19	1.92	......	13	12	11	8
1905	72.6	+0.6	99	39	4.87	+0.58	9.78	2.49	......	15	10	12	9
1906	71.3	−0.7	95	38	4.31	+0.02	8.98	1.41	......	10	12	13	6
1907	71.5	−0.5	96	34	3.84	−0.45	9.46	1.01	......	10	15	12	4
1908	73.9	+1.9	104	39	4.81	+0.52	9.57	2.15	......	11	14	12	5
1909	69.7	−2.3	98	34	2.14	−2.15	4.50	0.75	......	7	16	11	4
1910	72.8	+0.8	99	41	2.42	−1.87	5.15	0.45	......	7	16	11	4
1911	73.7	+1.7	105	36	2.81	−1.48	7.41	0.90	......	8	16	11	4
1912	71.3	−0.7	100	36	5.29	+1.00	12.65	1.04	......	11	12	11	8
1913	71.8	−0.2	101	40	4.16	−0.13	8.00	0.82	......	11	15	10	6
1914	71.3	−0.7	101	38	4.19	−0.10	10.29	1.10	......	12	12	11	8
1915	70.7	−1.3	98	40	5.28	+0.99	12.30	1.82	......	15	10	13	8
1916	74.3	+2.3	98	37	4.45	+0.16	12.41	0.39	......	10	14	10	7
1917	72.1	+0.1	105	40	4.33	+0.04	9.76	1.90	......	13	12	12	7
1918	70.1	−1.9	99	35	3.05	−1.24	9.96	0.77	......	9	16	10	5
1919	72.6	+0.6	104	34	5.90	+1.61	14.58	1.70	......	11	16	8	7
1920	69.5	−2.5	96	33	4.37	+0.08	10.70	1.27	......	11	15	10	6
1921	75.9	+3.9	104	45	4.13	−0.16	9.19	1.23	......	10	15	11	5
1922	71.9	−0.1	98	38	3.68	−0.61	7.58	1.45	......	9	14	10	7
1923	71.0	−1.0	100	32	4.24	−0.05	9.86	0.92	......	11	15	9	7
1924	69.7	−2.3	97	34	3.42	- 0.87	7.12	0.71	......	9	17	10	4
1925	70.5	−1.5	101	32	5.57	+1.28	14.95	1.54	......	12	13	11	7
1926	71.8	−0.2	105	35	3.82	−0.47	10.63	1.14	......	10	15	9	7
1927	71.7	−0.3	100	29	4.97	+0.68	11.82	1.81	......	12	14	11	6
1928	72.8	+0.8	96	40	5.44	+1.15	11.81	2.37	......	13	16	9	6
1929	71.8	−0.2	99	33	2.81	−1.48	6.97	0.19	......	8	18	9	4
1930	73.0	+1.0	106	33	2.23	−2.06	6.46	0.17	......	7	19	8	4
1931	75.2	+3.2	105	39	5.28	+0.99	13.28	1.81	......	12	15	10	6
1932	72.0	0.0	100	36	3.39	−0.90	9.65	0.85	......	10	16	10	5
1933	72.5	+0.5	104	35	4.26	−0.03	9.13	1.12	......	8	17	9	5
1934	75.5	+3.5	107	40	4.01	−0.28	7.83	1.16	.....	9	17	10	4
Period	72.0	....	107	29	4.29	....	15.59	0.17	......	11	14	11	6

W. B. O. Philadelphia-8-24-34-1050

Climatological Data for July, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	74.8	+1.1	95	3	53	18	31	3.97	−0.81	1.75	0	8	22	4	5	sw.	John A. Frick.
Altoona	Blair	1,615	47	73.8	+3.0	99	26	49	18	41	3.33	−0.21	1.05	0	10	26	4	1	w.	F- E. Rooney.
Ardmore	Montgomery	350	2	78.2	+4.3	99	6	53	11	31	5.34	+1.05	1.30	0	10	....	....	....	.....	H. G. Balderston.
Arendtsville	Adams	700	12	77.4	+3.4	100	6†	52	18	40	2.51	−1.35	1.23	0	8	23	4	4	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	76.3	....	102	25†	49	18	43	3.26	....	1.20	0	7	17	8	6	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	73.0	−0.2	100	25	48	18	44	5.83	+2.07	4.06	0	12	9	12	10	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	76.9	+2.3	96	3†	54	18	34	3.62	−0.98	1.78	0	9	22	5	4	sw.	Lehigh University.
Carlisle	Cumberland	467	68	79.5	+4.7	104	25	56	17†	41	3.93	+0.09	1.17	0	10	18	10	3	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	77.0	+4.3	101	26	49	18	45	3.83	+0.19	1.82	0	7	21	9	1	......	W. L. Gearhart.
Center Hall	Center	1,272	38	72.0	+0.8	98	25	48	18	45	5.25	+1.32	3.30	0	7	22	9	0	......	S. W. Smith.
Chambersburg	Franklin	580	35	78.7	+4.4	105	25	54	18	38	7.11	+3.55	4.91	0	10	10	16	5	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	73.0^{e}	+1.6	101^{e}	21	45^{e}	18	50^{e}	2.87	−1.31	0.76	0	10	14	12	5	sw.	E. W. Hess.
Coatesville	Chester	380	47	76.7	+2.1	97	7	52	11	32	4.34	−0.48	1.59	0	12	17	6	8	s.	Howard L. Pyle.
Colebrook	Lebanon	560	23	74.1	+1.7	95	21	53	18	29	3.81	−0.64	1.30	0	14	23	6	2	ne.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	71.6	+2.0	97	25	45	19	46	4.07	−0.26	0.71	0	12	15	10	6	e.	T. B. Lloyd.
Ephrata	Lancaster	380	42	79.2	+5.1	101	6	55	11	34	7.83	+3.50	3.00	0	11	20	9	2	n.	Ira J. Keath.
Freeland	Luzerne	1,970	41	71.9	+3.3	92	26	51	17	30	7.24	+2.48	1.80	0	11	8	19	4	nw.	Theo. Reichmann.
George School	Bucks	190	28	76.7	+3.0	97	7†	54	11	31	2.16	−2.18	0.51	0	11	24	2	5	s.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	78.6	+4.4	99	6†	56	18	33	3.97	+0.19	3.32	0	7	18	8	5	s.	Dr Henry Stewart
Gordon	Schuylkill	840	30	73.2	+3.1	96	25	46	18	40	2.32	−2.68	0.65	0	7	23	7	1	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	63.8	−1.3	82	6	42	18	28	6.62	+1.60	4.02	0	7	21	8	2	w.	Gustav Holtz.
Hamburg	Berks	535	41	74.9	+1.6	95	2†	50	11†	35	6.71	+1.79	2.48	0	8	17	13	1	w.	State Sanatorium.
Hanover	York	600	30	79.6	+4.2	99	6†	58	18	31	4.05	−0.20	3.11	0	8	18	8	5	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	78.1	+3.3	97	21	59	18	29	2.68	−1.15	0.79	0	11	10	12	9	w.	U. S. Weather Bureau.
Hawley	Wayne	900	16	71.0	+0.6	95	3†	43	18†	50	5.65	+1.59	2.85	0	9	23	8	0	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	81.0	+4.2	98	7	64	11†	20	2.03	−2.10	0.80	0	10	16	10	5	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	75.8	+3.6	103	25	48	18	46	3.92	−0.05	1.93	0	12	14	10	7	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	78.0	+5.5	107	26	47	18	48	2.25	−0.75	0.91	0	11	14	6	11	. ....	Horace A. Sheavly.
Kylertown	Clearfield	1,637	3	72.6	....	101	25	45	17†	49	2.77	....	1.07	0	9	18	11	2	nw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	77.6	+3.9	100	21	53	11	34	5.41	+1.53	3.10	0	8	17	13	1	s.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	73.4	+3.3	99	19†	43	18	50	5.50	+1.48	1.65	0	7	17	13	1	......	C. P. Darling.
Lebanon	Lebanon	469	50	77.6	+3.8	100	21	56	18	32	3.78	−0.61	1.15	0	9	22	8	1	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	44	76.2	+2.9	101	25	52	18	41	6.06	−2.01	3.07	0	12	6	24	1	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	80.6	....	102	21	59	11	33	5.72	....	1.92	0	7	21	9	1	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	74.5	+2.3	99	6	48	18	43	5.29	+0.40	1.62	0	9	22	5	4	s.	R. K. Wintermute.
Mifflin	Juniata	445	30	78.7	+5.8	104	25	53	18†	45	3.88	−0.59	1.10	0	8	18	8	5	n.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	70.9	+3.2	88	3†	50	17	30	5.25	+1.15	1.25	0	7	19	7	5	n.	Mrs. Milton Smith
Mt. Pocono	Monroe	1,720	28	66.7	+1.0	89	7†	40	17	34	5.72	+0.55	2.65	0	7	19	5	7	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	72.4	+2.8	98	21†	45	17†	44	2.55	−2.20	0.63	0	9	23	8	0	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	76.2	+2.9	98	21	53	11	31	2.94	−1.71	0.83	0	11	16	11	4	e.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	75.0	....	95	3	51	18	33	4.27	−0.04	0.95	0	11	19	11	1	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	79.3	+3.1	98	21	64	11	25	2.18	−1.97	0.85	0	11	7	14	10	sw.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	79.8	....	99	21	60	11	25	4.76	....	1.36	0	10	10	15	6	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	79.0	+3.3	99	21	60	11	26	1.22	−3.70	0.93	0	3	4	15	12	sw.	Commandant, Navy Yard.
Phœnixville	Chester	100	24	79.0	+4.2	102	7	53	11	37	7.04	+2.14	1.46	0	8	19	11	1	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	74.0	+1.5	95	3†	49	11†	34	4.07	−0.89	1.47	0	8	18	6	7	sw.	John E. Benner.
Reading	Berks	514	64	76.9	+1.4	97	21	56	11	30	6.53	+2.27	2.69	0	9	11	15	5	s.	U. S. Weather Bureau.
Retreat	Luzerne	900	1	73.6	....	98	25	49	17	39	4.71	....	2.09	0	10	20	7	4	sw.	Theodore J. Sampson.
Scranton	Lackawanna	805	40	74.4	+2.7	95	6	51	18	36	6.74	+2.71	4.25	0	12	7	19	5	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	75.4	+2.2	98	25	51	18	43	2.92	−1.20	0.71	0	11	14	14	3	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	80.0	+4.1	97	7†	56^{d}	11	31^{d}	3.50	−0.86	1.10	0	10	17	9	5	uw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	78.0	....	101	21†	55	18	38	4.82	....	2.66	0	9	17	11	3	sw.	State Teachers College
State College	Center	1,217	50	74.6	+4.1	101	26	51	18	39	3.37	−0.46	0.91	0	11	13	16	2	sw.	C. A. Kern.
Stroudsburg	Monroe	500	20	72.8	+1.6	95	7†	48	11†	38	4.83	−0.34	1.75	0	7	18	7	6	sw.	State Normal School.
Towanda	Bradford	754	40	72.8	+2.5	97	25	46	18	46	4.54	+0.78	0.94	0	12	14	9	8	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	71.3	+2.6	99	25	40	18	52	2.30	−1.45	0.82	0	7	20	7	4	nw.	George W. Hill.
West Chester	Chester	455	85	76.1^{b}	+1.8	93^{b}	7†	56^{b}	11†	24^{b}	5.86	+1.16	1.50	0	12	17	9	5	w.	Joseph W. Belt.
Williamsport	Lycoming	521	48	76.4	+3.2	101	21	51	17†	43	2.75	−1.14	0.82	0	9	14	9	8	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	76.8	+5.0	98	21	54	17	34	3.59	−1.69	0.98	0	8	19	11	1	sw.	Susquehanna Collieries Co.
York	York	400	46	78.0	+3.8	98	6†	53	18	37	4.24	0.00	2.55	0	11	22	7	2	s.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	76.6	+3.0	99	21	52	18	41	5.99	+2.22	1.67	0	11	14	5	12	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	71.9	+4.2	98	26	45	17	44	4.49	+0.19	1.46	0	10	15	13	3	......	John Fawcett.
Butler	Butler	1,077	21	75.2	+3.2	99	26	47	18	41	4.37	−0.07	1.90	0	10	17	7	7	w.	William C. Faust.
Chambersville	Indiana	1,047	4	74.6	+3.2	106	25	47	18	46	3.86	−0.86	1.25	0	12	14	3	14	w.	John E. Lewis.
Clairton	Allegheny	1,020	2	76.2	....	103	21	53	18	39	2.52	....	0.75	0	10	16	7	8	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	78.9	+6.0	104	21	48	18	48	1.63	−2.55	0.60	0	10	23	4	4	w.	J. L. Melvin.
Corry	Erie	1,430	21	73.4	+5.7	100	24	44	18	49	2.61	−1.02	0.76	0	9	16	12	3	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	72.7^{a}	+5.6	95^{a}	26	49^{a}	18	36^{a}	5.12	+0.98	2.79	0	10	26	5	0	sw.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	69.8	+2.6	95	26	40	16	45	3.08	−1.04	0.90	0	7	18	10	3	w.	J. S. Stevanus.
Franklin	Venango	957	60	75.1	+4.8	102	24	46	18	50	2.61	−1.89	0.52	0	10	13	4	14	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	75.6	+3.4	99	26	52	18	38	3.76	+0.06	0.86	0	10	16	15	0	w.	Westmoreland Water Co.
Greenville	Mercer	950	38	76.4	+5.6	101	20†	45	18	49	1.16	−3.12	0.36	0	8	15	11	5	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	72.7	+2.7	94	24	51	18	34	4.02	−0.30	1.87	0	10	16	10	5	s.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	76.0	+3.0	99	25†	51	18	40	6.10	+1.73	2.45	0	11	19	11	1	nw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	2	70.0	....	97	22	43	5	41	3.68	....	1.80	0	9	14	9	8	nw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	42	76.3	+3.9	97	25†	53	18	31	4.99	+0.14	1.34	0	8	15	14	2	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	75.5	+6.5	100	24	48	18	42	3.56	−0.61	0.97	0	10	13	9	9	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	76.6	....	101	25	54	18	40	2.92	....	1.25	0	9	14	12	5	nw.	Fred Hoffman.
New Castle	Lawrence	808	54	75.4	+3.0	98	25	48	18	38	5.62	+1.50	2.67	0	12	16	11	4	sw.	New Castle Water Co.
Newell	Fayette	800	14	77.6^{a}	+4.3	99	23	55	18	31	2.84	−0.93	1.84	0	5	25	5	1	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	77.6	+3.0	98	24	60	18	33	3.25	−0.80	1.30	0	8	10	9	12	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	72.2	+4.3	100	25	40	18	51	2.37	−1.59	0.75	0	8	17	8	6	nw.	West Penn. Power Co.
Sharon‡‡	Mercer	940	21	77.1	+5.3	103	24†	50	18	47	3.72	−0.19	1.60	0	7	18	10	3	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	71.3	+2.6	95	26	44	18	44	7.53	+2.98	3.60	0	10	9	15	7	nw.	D. L. Grove.
Uniontown	Fayette	1,100	46	77.9	+4.8	102	21†	52	18	36	7.11	+2.28	2.96	0	8	17	12	2	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	76.8	+3.8	102	25	51	18	43	4.91	+0.59	1.76	0	13	....	....	....	.. ...	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	73.7	+4.3	94	26	45	18	39	1.58	−2.94	0.42	0	8	23	4	4	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	77.0	....	101	21†	52	18	41	5.38	....	2.00	0	9	7	18	6	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	74.6	+3.6	95	6	58	18	30	1.90	−1.11	0.59	0	9	15	13	3	nw.	U. S. Weather Bureau.
For the State	......	......	....	75.5	+3.5	107	26	40	16†	52	4.01	−0.28	4.91	0	9	17	10	4	sw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for July, 1934

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic Drainage.																																	
llentown‖‖	Lehigh	T.			.42				1.65	.10				T.	.03	.57	.88						T.			.22	.10			T.		T.	3.97
ltoona	Juniata				.25			.15	.05					.03	.55						.42		.03					.20	1.05			.60	3.33
nsonia‖‖	W. Br. Susq				.39		.03	.05	.32				.04		.70		.66					T.						.20		.70		.35	3.44
rdmore	Lower Del			.40				.52					.02	1.23		.01	1.11					T.			.05	1.30	.10			.60			5.34
reudtsville	Lower Susq				.07		.01		1.23						.04		.02										.16		.15	T.		.83	2.51
aker's Summit	Juniata				.12			.03	.55				.47	.11	.48													1.09	.67			.12	3.64
edford	Juniata	T.			.10		T.	.06					.77	.12	1.01						T.							.88	.82	T.			3.26
ellefonte***	W. Br. Susq		T.	.42		T.	.09	.09	T.				.19	.02		.40					.11		T.			.08	T.	2.93	1.26		.19	.05	5.83
ethlehem	Lehigh				.25		T.		1.78				T.	.03	T.	.35	.77					.14	T.			.24	T.		.05	T.	T.	.01	3.62
loserville‡‡	Lower Susq			.30			.55	.08		.10											.05							.80	T.		.25		2.13
uffalo Mills	Juniata							.19						.35	.76					.10									.61				2.01
arlisle	Lower Susq			.61				.49	.68					T.	.05	T.	1.06				.03	T.				.10		.17	.38	T.		.36	3.93
atawissa‡	N. Br. Susq			.44	T.			.28					T.			.25										.47		1.82	.25		.32		3.83
enter Hall	Susquehanna							.20	.48								.94				.01					.14		.18	3.30				5.25
hambersburg	Potomac				.15			.55	.69						.11						T.	.07				.04		4.12	.79	.01		.58	7.11
learfield	W. Br. Susq			.76				.16					.30	.11	.05	.03												.05	.65		.35	.42	2.87
oatesville	Lower Del				.34			.43	1.16				.08	.14		.12	1.14					.08				.71	.01		.12	.01			4.34
olebrook	Lower Susq			.05	1.25		.02	.55	.35	.01				T.		.21	.18				T.	.05				.70		.02	.03	.01		.38	3.81
onshohocken	Schuylkill				.27				.30				.05	.28	T.		.53									.94	.02		.22	.26	.01		2.88
resson‡	Juniata			.29				.19	.05				.11	.07	.10						.34						.50	.80	.54		.35		3.34
oylestown	Lower Del				.25				.50				T.	.46		.20	.23					.60				.54	.01		T.		T.		2.79
mporium	W. Br. Susq			.65		.07	.04	.48					.10	.58		.30					T.	T.				.24		.25	.08		.71	.57	4.07
phrata	Lower Susq				.84			.53	2.47	T.			.02	.75	T.		.80					.30				1.82	.04	.25				.01	7.83
orest City	N. Br. Susq				.40			.88	.51						T.											.11		1.05	2.50	.40			5.85
reeland‖‖	Lehigh				.72		T.		.55					.12	.63		.40						T.			.66	.41	1.60	1.80	.21	T.	.14	7.24
aleton	W. Br. Susq			.45		.06		.40				.04				.82					T.					.06	.07	1.15	.29		.32	.16	3.82
eorge School	Lower Del				.25				.51					.40		.03	.18					.33	.01			.38	.03		.03	T.	.01		2.16
ettysburg	Potomac				.03				3.32					T.	.02						T.						.02		.13	.01		.44	3.97
irardville‖‖	Lower Susq			.24				.59								.96									.21	.01		.09	.05		.55		2.70
ordon	Lower Susq				.62				.36					.06		.13	.52					T.				.51			.12				2.32
ouldsboro‖	Lehigh				.41				.70						.11		.75									.61			4.02		.02		6.62
raterford	Schuylkill				.07				1.61					.68		.83	1.68									.26	.74		.03	.01			5.91
amburg	Schuylkill				.48				.95				.03	1.05		2.48										1.12			.50			.10	6.71
anover	Lower Susq	.01			T.		T.	.76	2.35				.02		.01						T.						.36		.10	T.		.44	4.05
arrisburg***	Lower Susq			.79		T.	.05	.73	.01		T.		T.	.01	.01	.18	.04				T.	T.				.52		.05	T.	T.	.29	T.	2.68
awley‖‖	Upper Del				.57				1.54						.01		.20									.17		.12	2.85	.18		.01	5.65
ollisterville	Upper Del								.28								.65									.47		.10	4.52	.12	T.	.02	6.16
oltwood‖	Lower Susq					.01		.80	.30	.02			.30	.03			.21						.05			.17						.14	2.03
untingdon	Juniata			.01	.24		.04	.36	.01					.01	.06		.18				.45	.01						1.93	.62			T.	3.92
yndman	Potomac	.02			.14			.21	.09	T.		.02	T.	.38	.38						.06							T.	.91	.03		.01	2.25
ylertown	W. B. Susq			.79	.10	T.	.03	.21						.09	.03		.02											.43	1.07				2.77
akeville‖‖	Upper Del				.89					1.22							.92									.25	.02	.20	3.35	.25		.02	7.12
ancaster	Lower Susq			.22				3.10						.06		.20	.53									.93			.24		.13		5.41
ansford‖‖	Lehigh				.25				.86				.01		.51		.49									.65	.10		.40			.24	3.51
awrenceville	N. Br. Susq			.35		T.	.50	.75								T.											.45	.85	.95			1.65	5.50
ebanon	Lower Susq			1.15			T.	.01	.85			T.		T.		.16					T.	.30			.34	.35			.03	T.	.59	T.	3.78
ock Haven	W. Br. Susq				.26	.01		.04	.04					.05	.04	.09	1.54									.30		.60	2.47			.62	6.06
arcus Hook	Lower Del				.07				T				.04	1.92		1.60										.87	.37			T.	.85	T.	5.72
atamoras‖‖	Upper Del				.34				.96							.27	.11									1.08		.06	.21				3.03
auch Chunk	Lehigh			.22				.15	.71					.84		.47									.08	1.54			1.26			.02	5.29
ifflin	Juniata				.37			T	.30								1.10				.26					.12		.13	.50			1.10	3.88
ontrose	N. Br. Susq			.40				1.25							.50	T.										.80		.50	1.00			.80	5.25
orris Run	N. Br. Susq			.51		.03		1.62								.39										.02	T.	.08	.06		.16	.64	3.51
ount Pocono	Upper Del				.30				.68						.03	2.65										.28		.11	1.67				5.72
uncy Valley	W. Br. Susq		.13	.33		T.		T.						T.	.15	.46	.02								T.	.10		.16	.63			.57	2.55
eshaminy‖‖	Lower Del			.02	.40	T.			.65					.83	.14	.09	.04					.27			T.	.45			.03	.02			2.94
ew Park	Lower Susq							.30					.30	.35								.08				.62					.18		1.83
ewport‖‖	Juniata			.15				.10	.45								1.45					.20	.03			.10	.03		.53		T.	.43	3.47
almerton‡	Lehigh			.35		T.		.57	.23				T.	.05	.51	.83						.24			.06	.46		T.	.95		.02	T.	4.27
aupack‖‖	Upper Del				.45				.70								.72									.16		.20	2.45	.15			4.83
hiladelphia***	Lower Del			.18	.02			.20	T.				.01	.22	T.	.41	T.								.01	.84			.19	.09	.01		2.18
hiladelphia-Gtn	....do				.28				.26				.09	1.36			.83				.39					1.23			.27	.01	.04		4.76
hila. Navy Yard‖‖	....do								T.	T.			T.	T.	.20	T.										.93				.09	T.		1.22
hila-P'nt Breeze.‡	Lower Del			.21				T.	.01				T.	.14		.48									*	.75			*	*	.90		2.49
hoenixville	Schuylkill				.21				.83				T	1.46	.98	.77	1.10									1.06	.63		T		T.		7.04
ine Grove	Lower Susq			.29			.01	.78	.01				.01	.05		1.84						.21				.74		.08	.01	T.	.20	.11	4.34
leasant Mount	Upper Del			.46			.21	.63							.04										.06		2.70		3.00			.27	7.37
ottstown	Schuylkill							1.81	.05				.02	2.74		1.51						.02				.31		.02	T.	T.		T.	6.48
ottsville	Schuylkill				.61				.72					.13		.50	1.22					.02			T.		.31	.01	.06	T.		.33	3.91
uakertown	Lower Del				.27				1.47					.23	.13	.41	.72									.65			.19				4.07
eading***	Schuylkill			.28				1.72	.09				.01	2.69		1.43						T.				.29		.01	T.	T	.01	T.	6.53
enovo.‖‖	W. Br. Susq				1.07			.12						.05			.26									.14		.15	.45			.30	2.54
etreat	N. Br. Susq			.19	.20				.21						.02	1.33	.16									.04		.38	2.09			.09	4.71
cranton***	....do			.53		T.	.09	.18	.02					.28		.36					T.				.37	.20	.28	2.34	1.95		.14		6.74
elinsgrove	Lower Susq				.51		.03	.22	.17						.02	.30	.38									.71		.16	.30			.12	2.92
hawmont	Schuylkill				.21				.34				.04	1.10			.92				.08					.64	.08		.06		.03		3.50
hippensburg	Lower Susq				.28		T.	.87	.32		T.				.11		.03									.01		2.52	.14	T.		.54	4.82
now Hill‡‡	Upper Del				.30				1.18								.72									.28				1.18			3.66
ate College	W. Br. Susq			.24	.17		T.	.22						.54	.01		.03				.23					.03		.91	.87		T.	.12	3.37
troudsburg‖‖	Upper Del				.40				.95	.25							1.75									.45	.38			.65			4.83
unbury	Lower Susq				.31				.45						.01		1.35						T.				.55	.05	.34	.27		.50	3.83
owanda	N. Br. Susq			.35		T.		.94	.01					.18	.10	.57						T.			T	.04	.18	.50	.84		.27	.56	4.54
eikert	Lower Susq																																
ellsboro	W. Br. Susq			.37	T.	T.	.25	.82								.11											T.	.33	.32		.10		2.30
est Chester	Lower Del				.56				1.00				.14	.64	.12	.55	1.50					.09				.58	.62		.04	.02			5.86
estgrove‖‖	...do	.24			.35		.08		.04	.03			.20		.03		.30						.18			.18	.52		.01		.17		2.33
ilkes-Barre‖‖	N. Br. Susq			.09	.41		T.		.22						.65	T.	.45									.60	.30	1.03	4.26	.39		.11	7.51
illiamsport‖‖	W. Br. Susq				.59		T.	.10	.30								.31									.01	.49		.37	.45		.13	2.75
illiamstown	Susquehanna				.42			T.	.49								.95				T.					.07	.98	T.	.28	.01		.39	3.59
ork	Lower Susq	.10			.26			.68	1.87					.02			.10				T.		.33			.22	.41		.04	T.		.21	4.24
ork Haven‖‖	Lower Susq				.38			.75	1.27								.21									.05	.76		.39			.49	4.30
ionsville..(near)	Schuylkill				.40				.48					.17	1.25		.76									.22	.30		.12				3.70
renton, N. J***	Lower Del			.17	.06		T.	.23	.35				T.	.43	.23	.07	.01				.97	T.			.02	.17			.18	.01	T.		2.90

Continued on page 34.

Daily Precipitation for July, 1934—Continued from page 33

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio				.67		.25	.06	.64			.58	.39		1.67						.20		.01					T.	.01			1.51	5.99
Beaver Falls‖‖	Beaver				.68		.04	.05	.56			T.	.04		.65						.71		T.					.12	T			1.16	4.01
Brookville	Allegheny				.13		.32	.20	.33			.34		.48	1.46						.10	.04										1.09	4.49
Butler	Ohio			.40		.15	.10	.50			.03	T.	.01	.48	.57						.23							T.	T.		1.90		4.37
Chambersville	Allegheny		.02	.67		T.	.03	.26	.02		T.			.31	.14						.23		.02					.03	1.25			.88	3.86
Clairton‡	Monongahela					.40		.32				.19		.06	.39						.18		T.					.70	.05		.20	.03	2.52
Claysville	Ohio				T.	.04		.24	.04			.20			.26		T.				.14		.04			.03			.60			.04	1.63
Clymer‡‡	Conemaugh	.13					.35							.40							.08							.38			.92		2.26
Confluence‖‖	Youghiogheny				.05				.10				1.10	1.20	.32														.70	.23			3.70
Corry	Allegheny			.76		.49	.20	.25					.25								.21		.04					.39			.02		2.61
Derry	Conemaugh																																
Donora‖‖	Monongahela				.03		T		.30			.10	.11		.04						.02		T.						.90			.55	2.05
Ebensburg	Conemaugh				.28			.32	.28				.08	.07	.22						.18							.50	2.79		.40		5.12
Elk Lick	Youghiogheny				.18				.18			.22		.46	.89						.25							.90					3.08
Franklin‖‖	Allegheny						.38		.52			T.	.02	.14	.30						.44		.12	.29				.02				.38	2.61
Greensboro	Monongahela				.01				.10			.10	.78	.03	.20						T.	.02	.02	.10	T.		.20		3.20		.01	.20	4.97
Greensburg	Youghiogheny				.36		T.	.17	.02		.05	.10		.38	.81						.25		T.					T	.86			.76	3.76
Greenville	Beaver					.02		.16	.04			.14			.10						.36						T.	.30			.04		1.16
Grove City	do			.15		.08	.01	.72	.03			.03	T.	T.	.35						.67						T.	T.		T.	1.87	.11	4.02
Herrs Isl. Dam‖‖	Ohio				T.		.37	.01	.60				.32		.75						.22	.12	T.						.35			1.32	4.06
Irwin	Monongahela				.12			.45	.03			.21		.72	.68						.55		T.						.55	.02		.85	4.18
Johnstown	Conemaugh			.22	.22	T.		.41	.04			T.	.37	.47	2.45						.08	.17						T.	1.29			.38	6.10
Kane (near) ‡‡	Allegheny			.72	T.	.17		1.80						.08							.01		T.				.01	.41			.14	.34	3.68
Kregar‖‖	Youghiogheny			.71				.39				.21	.60	1.28						T.	.23		.09					.74			1.22		5.47
Lake Lynn‖‖	Monongahela	.02							.11				.72		.40								.02	.08			.09		1.28	T.		.14	2.86
Linesville‖‖	Beaver				.01		.29	.08	.19			.16	.13	.06	.18						.05						.23					.01	1.39
Lock No 2‖‖	Ohio				.06		.27	.01	.50				.18		.32						.62		.02						.03			.89	2.90
Lock No. 4‖‖	Monongahela				.08				.40				.35		.18						.08			T.			T.		.92			.38	2.39
Lock No. 5‡‡‖‖	Allegheny				.29		.02	T.	.84				.02	1.20	.85						.24		T.	.03				T.	.01			1.21	4.71
Lycippus	Conemaugh			.75				.50			T.	.08	.91	.81							.16								1.34			.44	4.99
McKeesport‖‖	Monongahela				T.				.47				T.								.82								.17			.61	2.07
Meadville	Allegheny			.60		.93		.07				.07		.62	.13						.70		.18				T.	.24			.02		3.56
Mosgrove	do				.69		.02	.26	.19					.19	.33						.28		T.	.03				.04				.96	2.99
Mount Lebanon	Ohio			T.		.03	T	.64				.15		.01	.22						.24		T.						.38		1.13	.12	2.92
Natrona‖‖	Allegheny				.35		.01	.06	.48				.03	.95	.90						.50		T.	T.				.05	.05			.95	4.33
New Castle‖‖	Beaver		T.		.08		.08	.06	.92	.01		.01	T.	.02	.99						.67		.05					.06				2.67	5.62
Newell	Monongahela											.50								.02		.02						1.84				.46	2.84
Parkers Landing‖‖	Allegheny				.26		.15		.70				T.		.17						.18		T.					T	T			1.60	3.06
Pennline‖‖‡‡	Beaver				T.		.49	.30	.28			.26	.02		.09						.14		T.				T.	.43					2.01
Pittsburgh***	Ohio			T.		.29	.01	.55			T.	.22	T.	T.	.46						.20		T						.22		1.30		3.25
Punxsutawney‖‖	Allegheny				.62				.53					.32	.82													T.	.16			.67	3.13
Ridgway	do				.21		.17		.44			.21		.48	T.						.03						.08					.75	2.37
Saltsburg‖‖	Conemaugh				.46		.02		.34				.02	1.11	1.48						.13	.01						.17	1.80	T		.98	6.52
Sharon‖‖	Beaver						T.	.26					.05		.61						1.05		.02					.13				1.60	3.72
Smethport	Allegheny				.41		.10		.99						.61							.10					.48		.06			.10	2.85
Somerset	Youghiogheny				.43			.03	.07			.13	.28	3.60	1.20						.27								1.37			15	7.53
Springdale‖‖	Allegheny																																
Uniontown	Monongahela	T.			.02			.15	T.		1.20	1.81		.51	.21						T.		T.			T.			2.96			.25	7.11
Unity Reservoir‡‡	Youghiogheny				.42			.30			.30	.19		.60	.85						.12								.87			.48	4.13
Vandergrift‡	Conemaugh		*	*		*	*	*	.92			T.	.56	*	1.76						.12						.11		*		1.44		4.91
Warren	Allegheny			.38		.42		.26				.02	.12								.15							.22			.01		1.58
Waynesburg	Monongahela				.05			.91				2.00			.09								.06			.50			1.49	.02		.26	5.38
Westford‖‖	Beaver					.06	.28	.18				.30		.45						.10							.30				.01		1.68
West Newton‖‖	Youghiogheny				.07				.29				.25		.10						.11		T.						1.20			.72	2.74
Lake Drainage.																																	
Erie***	Lake Erie			.01		.59	.13	.20			.20	T.	.28							T	.07		.30				T.	.12					1.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity *	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.95	30.32	9	29.71	6	10.3	43	nw.	12	67	63	60	80
Harrisburg	29.94	30.31	10	29.72	14	6.1	24	ne.	21	75	50	60	74
Philadelphia	29.97	30.34	10	29.76	14	10.6	38	n.	15	73	53	61	61
Pittsburgh	29.97	30.30	9	29.76	14	8.0	38	nw.	3	76	56	57	78
Reading	29.95	30.34	10	29.74	14	8.6	57	n.	15	76	59	68	69
Scranton	29.96	30.34	10	29.72	13	5.8	33	nw.	3	74	51	60	76

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.0	6.6	29	1.1	23	18
Phillipsburg	Delaware	1.4	7.0	29	0.7	26	22
Mauch Chunk	Lehigh	2.0	3.4	29	1.4	22	17
Wilkes-Barre	Susquehanna	1.8	3.2	29	1.1	26	20
Williamsport	Susquehanna	0.5	1.4	29	0.1	24	20
Harrisburg	Susquehanna	3.3	3.8	31	3.1	23	17
Greensboro	Monongahela	10.5	12.3	14	10.0	23	30
West Newton	Youghiogheny	0.6	3.5	14	0.1	25	20
Lock No. 4	Monongahela	11.0	13.1	14	10.6	22	30
Pittsburgh	Ohio	9.9	12.0	15	9.5	25	25
Beaver Dam	Ohio						30

Daily Temperatures for July, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
llentown	Maximum	89	93	95	83	86	94	91	76	81	79	78	78	79	87	91	83	79	83	89	89	92	88	81	89	89	92	89	83	77	83	84	85.6
	Minimum	65	65	68	66	61	66	76	62	61	59	58	58	63	67	66	63	54	53	58	63	69	62	61	63	67	67	70	75	66	67	64	64.0
ltoona	Maximum	86	92	93	85	85	95	88	79	79	80	80	83	89	87	91	87	84	86	94	90	96	90	87	87	98	99	88	85	79	89	82	87.5
	Minimum	56	61	64	61	56	64	64	58	51	57	62	57	62	53	64	62	50	49	53	67	67	64	59	54	66	62	67	68	61	60	60	60.0
edford	Maximum	89	95	96	92	91	98	96	80	87	84	86	89	90	88	93	88	84	88	94	93	99	97	92	94	102	102	100	85	86	90	88	91.5
	Minimum	59	55	61	61	57	64	68	60	57	63	60	61	66	62	61	60	54	49	51	61	67	65	58	59	66	61	71	68	64	63	61	61.1
ellefonte	Maximum	86	89	92	81	79	92	85	75	79	79	78	83	87	90	91	84	80	84	93	91	97	88	86	86	100	96	89	84	81	85	81	86.8
	Minimum	57	57	62	59	57	65	64	57	53	58	64	64	63	63	61	60	50	48	49	66	65	60	53	51	68	58	65	68	64	63	61	59.8
rookville	Maximum	88	89	90	93	86	88	92	75	80	83	84	81	87	87	90	93	83	82	86	93	93	97	88	90	96	98	97	88	90	88	92	88.6
	Minimum	52	53	54	55	54	62	63	57	46	49	59	54	49	58	59	52	45	48	49	64	60	62	49	46	60	55	65	67	50	55	59	55.2
utler	Maximum	88	91	92	89	89	89	89	78	80	84	88	88	90	88	93	93	84	84	92	95	98	92	90	98	98	99	95	91	92	90	87	90.1
	Minimum	58	60	61	58	63	63	67	55	51	57	61	60	62	60	61	61	50	47	57	67	66	61	62	63	65	61	69	67	61	59	58	60.2
arlisle	Maximum	96	99	99	94	90	101	98	84	86	86	83	86	90	96	99	95	90	92	98	97	103	99	93	93	104	100	96	88	88	92	90	93.7
	Minimum	66	64	66	64	63	71	70	64	60	65	58	67	72	70	65	65	56	56	57	65	70	66	58	63	73	64	76	71	68	68	64	65.3
atawissa	Maximum	94	97	94	89	87	100	92	84	87	86	85	83	91	95	96	87	85	88	98	96	99	96	95	91	99	101	92	90	89	89	85	91.6
	Minimum	62	60	63	63	57	66	73	63	55	59	52	65	70	68	74	63	50	49	53	64	67	58	56	55	72	63	74	71	66	63	68	62.5
hambersburg	Maximum	91	96	98	91	94	101	95	84	85	83	83	87	93	91	96	92	85	90	96	95	99	95	97	91	105	102	93	88	82	90	88	92.1
	Minimum	66	62	65	65	64	69	71	64	62	65	57	66	70	63	66	67	59	54	58	67	69	67	65	65	71	67	74	67	70	65	65	65.3
hambersville	Maximum	89	90	93	86	83	93	85	76	79	85	83	90	89	88	94	90	83	88	94	93	100	87	87	98	106	102	103	89	85	91	84	89.8
	Minimum	57	56	63	57	57	65	67	59	52	59	64	60	62	62	61	65	49	47	48	64	64	64	59	55	65	57	60	67	56	60	61	59.4
laysville	Maximum	91	92	95	94	98	96	96	81	89	93	82	91	90	92	95	93	92	93	98	99	104	103	95	103	102	102	95	90	90	92	89	94.0
	Minimum	66	63	65	60	62	72	67	64	58	61	66	62	69	67	69	63	55	48	51	71	71	71	67	55	73	61	68	67	59	63	63	63.8
learfield	Maximum	88	....	93	....	....	93	84	76	82	85	82	85	89	92	90	84	84	87	88	96	101	92	....	98	....	99	91	91	87	93	84	89.0*
	Minimum	56	....	55	....	....	64	64	58	48	50	53	56	55	59	60	47	50	45	46	75	64	65	....	48	....	57	67	62	66	56	59	57.1*
oatesville	Maximum	91	94	95	88	93	96	97	76	86	84	84	84	83	90	95	86	82	86	92	94	96	88	84	86	92	91	90	86	79	86	86	88.4
	Minimum	68	67	67	65	61	71	70	63	61	59	52	60	65	67	66	63	58	56	62	72	70	66	63	62	69	68	71	75	69	66	62	65.0
orry	Maximum	91	94	89	86	77	94	93	82	89	88	84	88	88	92	97	86	81	89	96	96	96	91	90	100	97	93	81	89	88	92	78	89.5
	Minimum	55	58	60	51	58	70	77	55	48	50	65	61	62	56	57	48	45	44	47	65	65	63	48	51	67	62	63	61	49	55	59	57.3
mporium	Maximum	88	89	91	83	75	91	80	76	81	81	78	85	85	87	91	81	80	81	91	91	93	86	85	92	97	92	85	88	83	91	73	85.5
	Minimum	52	54	61	60	58	65	67	58	48	52	58	57	63	60	58	52	49	46	45	66	63	59	48	47	65	59	68	69	53	62	63	57.6
rie	Maximum	90	86	93	76	81	95	71	74	76	84	84	86	85	83	86	75	76	79	89	90	91	80	77	94	86	85	79	79	80	85	76	82.9
	Minimum	68	70	69	63	67	69	64	62	61	63	70	62	69	66	71	62	61	58	64	70	75	67	63	64	75	70	67	68	61	68	65	66.2
ranklin	Maximum	90	97	93	91	79	97	77	85	89	88	82	88	88	93	99	87	87	94	98	100	99	92	95	102	99	97	91	94	93	92	80	91.5
	Minimum	56	60	60	54	59	65	68	58	52	55	65	60	62	59	63	55	53	46	51	61	65	65	53	52	63	62	65	66	53	54	61	58.7
reeland	Maximum	87	89	90	77	81	91	88	74	75	76	77	75	78	84	91	74	73	78	88	84	89	83	79	80	91	92	85	75	77	80	78	81.9
	Minimum	66	67	62	57	62	70	65	58	55	58	53	56	63	63	64	61	51	57	64	68	70	64	54	59	61	67	71	67	61	63	62	61.9
ettysburg	Maximum	89	96	96	91	93	99	96	88	83	80	81	84	88	85	91	90	85	85	94	92	98	93	89	88	99	97	92	85	82	90	88	89.9
	Minimum	69	65	68	66	65	72	72	65	65	66	58	66	70	73	66	68	60	56	61	67	73	70	65	67	74	69	75	72	71	65	63	67.2
reensburg	Maximum	85	90	92	87	86	92	89	75	84	82	78	90	88	86	91	84	84	84	92	90	98	89	87	96	98	99	89	86	82	89	82	87.9
	Minimum	64	64	61	62	62	70	69	62	57	64	65	59	68	64	65	66	55	52	54	65	65	70	62	62	70	62	69	66	61	64	61	63.2
rove City	Maximum	83	87	86	78	71	86	84	74	80	80	77	74	79	85	89	88	80	82	89	91	91	91	83	94	93	89	89	82	76	78	73	83.3
	Minimum	62	62	64	60	65	69	66	59	55	60	64	60	64	61	66	60	53	51	58	66	68	67	59	60	73	65	67	65	57	58	61	62.1
amburg	Maximum	91	95	95	89	84	95	94	85	82	83	80	80	79	92	85	84	85	85	90	91	95	90	84	88	92	93	90	86	85	85	87	87.7
	Minimum	64	60	62	57	58	67	64	59	57	56	50	62	66	64	68	62	57	50	57	67	67	64	61	62	64	64	75	70	65	65	60	62.1
arrisburg	Maximum	91	95	94	88	86	95	94	78	81	81	79	82	83	91	94	87	83	88	93	91	97	92	87	86	95	93	82	84	79	88	86	87.8
	Minimum	73	68	68	69	67	75	72	66	65	67	59	65	70	71	69	68	63	59	64	72	77	73	66	69	69	68	73	72	70	67	65	68.4
awley	Maximum	90	91	95	83	87	93	91	79	82	80	78	79	85	90	94	82	79	85	93	92	94	87	87	83	93	95	91	77	79	86	84	86.6
	Minimum	53	56	56	55	49	64	69	60	50	49	46	54	62	59	55	56	45	43	43	56	61	51	44	48	62	59	68	66	57	60	60	55.4
untingdon	Maximum	90	92	96	89	86	97	92	79	87	83	82	86	91	92	95	90	85	88	95	93	100	93	91	90	103	101	92	87	82	90	85	90.4
	Minimum	63	57	61	62	58	66	67	63	56	58	59	62	64	65	62	65	52	48	49	62	65	63	55	55	67	61	69	70	67	65	62	61.2
ohnstown	Maximum	89	94	94	89	87	95	89	78	83	84	81	89	88	89	91	88	85	88	92	92	98	90	90	95	99	99	94	83	82	90	83	89.3
	Minimum	66	59	64	63	59	65	70	63	57	60	63	60	64	65	75	65	55	51	52	65	69	67	60	59	66	61	70	69	62	62	62	62.8
ancaster	Maximum	93	96	96	95	93	97	97	78	84	85	83	82	83	89	95	93	86	88	93	92	100	94	90	88	97	95	94	88	87	89	90	90.6
	Minimum	66	64	64	65	61	71	72	66	62	63	53	64	68	68	65	64	56	55	60	69	66	64	58	61	73	66	74	74	69	65	60	64.7
awrenceville	Maximum	95	94	95	85	85	96	87	80	84	85	85	88	91	92	94	83	84	90	99	96	96	89	89	92	99	95	84	86	84	90	84	89.5
	Minimum	54	58	60	65	57	67	65	56	44	50	58	58	60	60	57	53	45	43	49	66	65	57	45	47	69	59	64	69	56	59	60	57.3
ebanon	Maximum	92	96	98	87	88	97	97	85	83	82	80	83	84	92	96	86	82	88	94	93	100	91	85	86	95	93	85	85	80	88	86	88.9
	Minimum	66	65	68	66	65	73	72	65	66	64	57	64	68	70	66	66	58	56	62	70	69	66	61	66	72	66	75	74	69	67	65	66.4
arcus Hook	Maximum	95	96	97	97	94	99	97	85	85	84	88	84	82	87	95	96	86	90	92	95	102	97	90	89	89	90	90	90	86	92	88	91.2
	Minimum	73	75	75	70	68	76	64	75	66	65	59	64	67	70	73	66	64	64	70	76	77	74	66	68	70	70	75	77	74	71	69	70.0
eadville	Maximum	91	94	94	85	82	94	91	79	85	89	88	86	88	89	93	93	82	89	96	94	94	93	91	100	99	94	93	87	88	90	80	90.0
	Minimum	59	60	65	56	62	71	65	57	52	54	67	63	65	59	65	55	52	48	54	67	68	66	56	65	69	64	67	65	52	61	63	61.0
ifflin	Maximum	94	98	100	93	91	100	96	84	86	85	85	86	93	96	98	95	91	90	98	99	101	101	95	94	104	102	100	90	88	91	89	94.0
	Minimum	61	59	61	64	60	69	70	64	56	62	61	64	69	68	66	65	56	53	53	66	69	66	57	57	60	64	72	70	68	65	62	63.4
ontrose	Maximum	84	84	88	73	83	88	84	80	81	78	75	77	81	82	81	75	75	79	85	86	87	85	81	79	87	88	87	84	82	80	80	81.9
	Minimum	62	62	62	52	61	58	64	62	60	57	54	58	69	61	62	56	50	51	58	68	66	61	68	51	60	63	60	60	60	61	59	59.9
uncy Valley	Maximum	87	91	94	81	80	94	88	78	83	84	83	80	88	92	95	81	81	86	92	92	98	90	89	85	98	98	89	85	82	84	82	87.4
	Minimum	55	56	58	55	54	62	65	69	48	54	50	61	66	63	56	54	45	45	48	61	62	54	49	49	67	65	57	67	62	60	60	57.3
hiladelphia	Maximum	92	92	93	89	91	95	94	77	86	85	81	81	76	86	94	87	82	86	89	91	98	92	86	86	88	90	89	86	80	84	90	87.6
	Minimum	76	76	72	71	70	76	74	67	68	67	64	65	69	70	69	70	67	68	71	76	78	76	67	69	67	72	75	77	72	69	74	71.0
ittsburgh	Maximum	86	88	91	86	89	91	80	78	83	85	75	85	87	88	90	83	82	86	93	92	97	91	89	98	96	96	87	87	88	88	81	87.6
	Minimum	70	68	72	66	70	74	67	64	61	69	66	64	69	66	71	67	61	60	62	70	76	74	68	65	79	70	71	68	64	62	65	67.7
uakertown	Maximum	89	93	95	89	87	94	94	88	81	79	78	78	80	88	86	83	80	83	89	89	95	88	85	85	88	92	89	85	82	82	86	86.5
	Minimum	64	62	66	64	54	70	72	61	60	55	49	57	63	66	65	61	53	49	55	68	61	52	57	60	65	63	62	72	65	66	61	61.5
eading	Maximum	91	95	95	85	89	95	94	75	80	80	78	79	78	88	92	83	80	84	90	89	97	90	82	85	91	92	86	84	76	85	84	86.2
	Minimum	71	71	69	68	65	75	70	66	65	63	56	62	67	70	62	66	61	59	68	75	73	72	64	68	67	69	76	73	70	68	66	67.6
idgway	Maximum	90	92	94	87	80	92	80	80	85	85	83	87	87	94	90	85	82	80	93	93	96	91	90	96	100	96	87	90	89	95	77	88.6
	Minimum	56	54	66	58	55	68	65	58	46	50	61	59	58	55	56	48	45	40	43	62	62	59	46	45	61	56	67	69	49	51	61	55.8
cranton	Maximum	89	90	94	79	86	95	88	78	82	82	81	81	86	89	92	78	79	83	92	91	92	85	84	86	92	94	86	82	81	88	83	86.1
	Minimum	62	64	65	61	57	69	66	64	56	57	56	64	67	66	62	63	54	51	56	66	71	61	57	61	68	65	72	69	64	64	66	62.7
elinsgrove	Maximum	91	93	96	87	84	92	93	81	82	83	80	82	89	91	96	84	85	85	95	93	94	92	88	85	98	96	94	84	80	87	83	88.5
	Minimum	61	60	61	61	61	69	71	63	54	57	57	65	70	68	72	64	52	51	52	65	66	63	58	59	67	62	65	66	66	63	66	62.4
omerset	Maximum	84	88	88	85	87	90	87	74	79	78	77	83	82	81	86	82	78	84	89	86	92	90	88	91	92	95	90	80	77	83	81	84.7
	Minimum	54	52	54	55	52	78	69	62	53	52	60	54	60	62	59	59	49	44	45	59	64	64	56	54	62	54	69	66	57	59	59	57.9
tate College	Maximum	87	91	92	85	81	94	86	76	80	80	81	84	86	89	91	85	81	85	93	92	98	90	88	88	100	101	90	86	82	86	81	87.4
	Minimum	60	60	68	59	59	67	73	59	54	58	59	63	63	64	64	65	52	51	54	68	67	66	56	55	69	62	67	67	64	62	61	61.8
troudsburg	Maximum	92	92	94	86	86	93	95	79	83	82	78	76	83	88	94	84	80	85	89	90	95	90	87	82	88	95	88	85	84	85	85	86.9
	Minimum	59	61	61	58	52	55	68	60	57	54	48	55	58	61	62	64	51	48	53	62	64	58	50	57	62	63	76	68	64	61	54	58.8
owanda	Maximum	92	90	95	80	84	96	87	76	81	85	85	85	89	90	94	78	80	85	95	95	94	86	85	88	97	92	84	85	81	88	80	87.2
	Minimum	55	59	66	57	54	67	64	60	49	52	55	62	65	63	57	59	48	46	49	67	66	57	48	48	68	60	67	69	60	62	62	58.5
niontown	Maximum	89	92	95	91	93	95	89	77	87	82	81	88	87	89	93	86	83	87	90	91	102	96	90	98	99	102	93	88	84	87	83	89.9
	Minimum	66	67	67	64	62	73	71	62	62	69	66	59	69	68	67	62	57	52	54	70	72	75	70	70	70	66	73	68	62	67	63	65.9
andergrift	Maximum	89	93	97	89	86	95	80	78	85	85	79	90	88	90	95	87	85	89	95	98	100	90	93	98	102	101	92	91	90	93	86	90.6
	Minimum	65	64	67	63	61	67	67	61	55	62	67	60	66	64	65	61	53	51	54	68	78	67	62	55	64	61	70	68	60	63	60	62.9
arren	Maximum	87	91	90	86	82	91	82	80	84	84	80	80	85	85	89	88	76	84	89	91	89	88	86	90	92	94	88	84	85	88	84	86.2
	Minimum	64	62	65	62	61	68	70	56	52	62	66	64	64	63	65	55	54	45	53	68	67	64	50	55	69	73	66	60	53	60	60	61.2
aynesburg	Maximum	87	89	91	89	95	92	90	79	85	89	78	86	86	88	90	87	85	87	94	92	101	95	94	97	98	101	92	87	83	87	84	89.6
	Minimum	67	65	66	63	62	70	68	65	60	62	63	60	69	68	65	64	58	52	53	71	72	73	67	58	67	63	71	68	62	65	64	64.5
ellsboro	Maximum	93	94	95	90	88	95	83	80	82	82	80	86	90	92	91	83	82	88	97	96	95	87	85	90	99	95	83	88	84	87	79	88.4
	Minimum	50	55	57	53	55	58	63	60	43	47	52	55	58	59	54	52	43	40	45	65	60	51	41	44	67	56	63	66	54	56	59	54.2
illiamsport	Maximum	92	94	96	87	80	96	90	80	84	85	83	84	92	95	95	86	84	89	96	96	101	97	92	87	100	98	91	89	86	88	86	90.3
	Minimum	62	61	63	61	60	67	71	63	52	58	60	67	69	66	62	64	51	51	53	68	69	61	55	54	71	63	72	70	66	65	64	62.5
illiamstown	Maximum	91	93	94	91	86	97	92	85	90	82	79	78	84	90	94	93	83	85	92	91	98	91	89	88	97	94	96	81	85	86	88	89.1
	Minimum	66	69	67	68	61	70	72	60	60	60	55	60	65	66	67	59	54	57	61	70	71	70	60	63	68	66	73	69	66	63	60	64.4
ork	Maximum	92	95	97	91	92	98	97	77	81	82	80	84	83	92	97	93	87	90	95	93	98	94	87	88	98	97	89	86	84	90	90	90.2
	Minimum	65	63	65	65	62	69	73	67	63	65	56	66	71	70	67	65	56	53	60	70	67	65	59	66	73	68	75	73	71	67	62	65.7

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CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

Vol. XXXIX. August, 1934. No. 8.

GENERAL SUMMARY.

The month as a whole was moderately cool and for the first
ime in five years the August maximum was below 100 degrees.
Forty-one stations reported their high temperatures all under 90
legrees. The month closed with an unseasonably cold period
luring which frost was observed at several stations. No mate-
ial damage resulted. This is the first month of 1934 to report
n excess of precipitation, the rainfall being above the August
verage in about three-fourths of the State. The greatest month-
y totals occurred in Allegheny, Westmoreland, Indiana, and
rawford Counties. These regions all suffered from drought
onditions in July until near the end of the month when they
vere drenched by heavy thundershowers. Once the drought
vas broken, the rains became heavier and more numerous, while
t still seemed impossible to get rains in the few dry regions that
emained. Considered for the State as a whole, the crop con-
itions were favorable. Corn had not been stunted by drought
xcepting a few small regions, and the rains of August developed
good to excellent crop. Pastures and meadows had suffered
nost, but were revived early in the month, and made a good
howing thereafter. Wheat and rye threshing were practically
nished early in the month, and many regions reported yields
hat were better than expected. Late potatoes and most truck
rops improved during the month, but the quality of tomatoes
uffered by the heavy rains. Buckwheat improved decidedly,
nd at the close of the month it promised about an average crop.
t was seeded and sprouted in a rather dry top soil, and got a
oor start. Tobacco, which promised so much during the early
art of the season, was attacked by rust during the last half of
he month, and many fields were practically ruined. The quali-
y of the whole crop suffered severely. Early apples were gath-
red during the month, the yields being generally light, but the
uality better than usual Peaches were very scarce, only a few
nall regions reporting yields worth mentioning. Severe thun-
ershowers occurred in the western portion of the State on the
th, flooding the smaller streams and doing considerable minor
amage. A mattress factory in Pittsburgh was struck by light-
ing and burned with a loss of approximately $100,000. Three
ersons were seriously injured. Butler reported a heavy rain on
hat date that flooded the sewer system, and inundated portions
the town. flooding basements and doing considerable damage. Several heavy thundershowers occurred in the central portion of the State from the 10th to 12th inclusive, during which several buildings were damaged by lightning. No serious crop damage was reported from any of these storms.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 68.6°, which is 1.4° below the normal for August. The highest monthly mean was 74.8° at Marcus Hook, and the lowest was 58.2° at Gouldsboro. Extremes of temperature ranged from a maximum of 98° at Mifflin on the 10th and at New Castle on the 11th, to a minimum of 30° at Brookville on the 30th. The greatest daily range in temperature was 48° at Butler and Somerset on the 7th.

PRECIPITATION.

The average precipitation for the State, as shown by the re-reports from 145 stations, was 4.94 inches, which is 0.77 inch above the August normal. The greatest amount for the month was 10.49 inches at Mt. Lebanon, while the least, 1.27 inches, occurred at Montrose. The greatest amount recorded in any 24 consecutive hours was 5.28 inches at Penn Line on the 8-9th.

COMPARATIVE DATA FOR AUGUST

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.8	−0.2	100	33	7.05	+2.88	11.27	3.18	......	10	13	10	8
1889	67.4	−2.6	100	37	3.24	−0.93	7.07	0.83	......	8	15	10	6
1890	68.8	−1.2	98	34	5.76	+1.59	9.65	2.58	......	12	9	14	8
1891	69.6	−0.4	99	35	5.09	+0.92	11.77	1.43	......	12	8	12	11
1892	71.4	+1.4	99	42	3.77	−0.40	7.64	1.07	......	9	14	7	10
1893	70.4	+0.4	99	30	4.50	+0.33	9.99	1.68	......	8	14	10	7
1894	69.4	−0.6	98	32	1.84	−2.33	5.51	0.17	......	6	13	12	6
1895	72.3	+2.3	101	32	3.23	−0.94	6.03	0.59	......	9	15	11	5
1896	71.2	+1.2	101	35	2.22	−1.95	6.53	0.45	......	8	14	11	6
1897	67.9	−2.1	97	34	3.17	−1.00	8.60	0.34	......	9	14	11	6
1898	72.3	+2.3	99	37	6.60	+2.43	11.32	3.72	......	12	11	11	9
1899	71.2	+1.2	101	38	4.01	−0.16	10.09	0.07	......	7	14	10	7
1900	75.0	+5.0	103	38	3.33	−0.84	5.78	0.84	......	9	14	12	5
1901	72.0	+2.0	99	42	6.81	+2.64	13.65	2.48	......	11	10	12	9
1902	67.8	−2.2	100	34	2.62	−1.55	6.44	0.51	......	8	13	13	5
1903	67.2	−2.8	99	36	5.29	+1.12	8.05	2.00	......	14	9	12	10
1904	68.0	−2.0	96	34	4.36	+0.19	9.64	1.66	......	9	15	10	6
1905	69.6	−0.4	95	36	5.71	+1.54	10.83	1.92	......	12	12	12	7
1906	73.2	+3.2	96	39	5.62	+1.45	11.65	1.62	......	12	10	12	9
1907	68.0	−2.0	97	32	2.94	−1.23	6.19	0.77	......	10	16	9	6
1908	69.4	−0.6	102	30	3.22	−0.95	8.06	1.22	......	7	15	10	6
1909	69.4	−0.6	100	34	2.31	−1.86	7.76	0.12	......	7	16	9	6
1910	69.8	−0.2	98	35	2.61	−1.56	6.46	0.55	......	6	14	10	7
1911	71.4	+1.4	102	36	7.63	+3.46	15.14	2.60	......	13	11	8	12
1912	67.1	−2.9	93	36	5.02	+0.85	9.65	1.68	......	14	9	12	10
1913	70.4	+0.4	102	38	2.69	−1.48	10.93	0.70	......	8	17	9	5
1914	71.3	+1.3	100	34	3.85	−0.32	7.20	0.64	......	11	13	11	7
1915	68.0	−2.0	99	34	6.71	+2.54	14.44	1.92	......	15	10	11	10
1916	71.9	+1.9	103	32	2.57	−1.60	7.08	0.21	......	8	17	10	4
1917	71.2	+1.2	101	38	6.69	+2.52	17.50	1.06	......	10	15	10	6
1918	73.6	+3.6	108	32	4.12	−0.05	8.08	1.05	......	11	16	10	5
1919	68.2	−1.8	94	35	5.43	+1.26	12.03	2.35	......	12	13	10	8
1920	70.2	+0.2	95	37	4.66	+0.49	9.29	1.93	......	15	9	12	10
1921	68.4	−1.6	97	35	3.83	−0.34	6.68	1.81	......	9	17	8	6
1922	69.1	−0.9	100	31	3.14	−1.03	8.16	1.15	......	10	15	9	7
1923	69.2	−0.8	96	30	3.10	−1.07	7.30	0.59	.....	9	15	11	5
1924	70.1	+0.1	102	31	3.78	−0.39	7.54	1.48	......	9	16	10	5
1925	69.7	−0.3	97	26	2.28	−1.89	5.14	0.65	......	7	18	9	4
1926	71.9	+1.9	103	32	5.69	+1.52	10.04	2.95	......	15	11	8	12
1927	65.5	−4.5	92	34	4.12	−0.05	11.49	1.13	......	12	12	10	9
1928	73.4	+3.4	99	35	4.60	+0.43	10.87	1.32	......	12	13	11	7
1929	67.7	−2.3	98	31	2.52	−1.65	7.20	0.20	......	7	17	8	6
1930	70.3	+0.3	108	29	1.47	−2.70	4.12	0.29	......	7	15	10	6
1931	71.1	+1.1	104	40	4.01	−0.16	8.78	1.30	......	12	11	10	10
1932	71.6	+1.6	103	34	2.82	−1.35	6.81	1.09	......	8	19	8	4
1933	70.8	+0.8	104	38	7.61	+3.44	17.70	1.22	......	12	13	9	9
1934	68.6	−1.4	98	30	4.94	+0.77	10.49	1.27	......	11	14	8	9
Period	70.0	....	108	26	4.17	....	17.70	0.07	......	10	13	11	7

W. B. O. Philadelphia-9-26-34-1050

Climatological Data for August, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	68.4	−3.0	88	24	41	30†	31	4.17	−0.44	2.78	0	9	21	3	7	ne.	John A. Frick.
Altoona	Blair	1,615	47	66.6	−2.4	89	10	36	30	37	4.71	+1.38	1.14	0	13	17	5	9	w.	F. E. Rooney.
Ardmore	Montgomery	350	2	71.0	−0.3	89	14†	45	31	30	3.64	−1.82	0.95	0	11	....	....	....	......	H. G. Balderston.
Arendtsville	Adams	700	12	69.8	−2.2	94	10	43	31	35	5.96	+2.48	2.13	0	10	15	9	7	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	69.6	......	88	10†	38	30†	38	4.69	....	1.28	0	9	18	2	11	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	65.6	−5.2	90	10	36	30	36	3.96	+0.12	1.11	0	12	11	9	11	......	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	71.0	−1.8	90	10	43	31	33	3.72	−0.58	1.65	0	11	17	2	12	w.	Lehigh University.
Carlisle	Cumberland	467	68	71.1	−1.5	94	10	39	31	41	5.62	+1.15	1.63	0	11	14	9	8	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	69.4	−0.9	91	10	39	30†	38	3.66	−0.10	1.10	0	9	18	13	0	......	W. L. Gearhart.
Center Hall	Center	1,272	38	64.7	−4.0	90	10	35	31	35	4.43	+0.75	1.06	0	10	20	4	7	......	S. W. Smith.
Chambersburg	Franklin	580	35	71.2	−0.6	94	10	41	31	37	4.52	+0.62	1.69	0	9	11	9	11	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	67.5	−2.4	91	10	35	29	42	4.87	+0.76	1.15	0	9	13	13	5	w.	E. W. Hess.
Coatesville	Chester	380	47	70.6	−1.9	91	24	42	31	34	3.87	−0.50	0.85	0	11	14	4	13	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	66.9	−3.4	87	10	40	30†	31	4.99	+0.34	1.78	0	11	13	3	15	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	65.3	−2.1	87	10	32	31	36	5.86	+1.97	1.81	0	10	12	13	6	s.	T. B. Lloyd.
Ephrata	Lancaster	380	42	71.4	−0.2	93	10	43	31	37	3.84	−0.69	1.34	0	11	14	3	14	ne.	Ira J. Keath.
Freeland	Luzerne	1,970	41	64.1	−2.1	83	10	43	30	25	2.96	−1.69	0.70	0	12	10	12	9	nw.	Theo. Reichmann.
George School	Bucks	190	28	70.6	−0.8	88	14	45	30†	32	4.20	−0.40	1.06	0	15	16	5	10	s.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	71.7	−0.2	92	10	43	31	33	5.06	+1.14	1.13	0	13	12	7	12	s.	Dr Henry Stewart
Gordon	Schuylkill	840	30	66.3	−1.5	88	10	35	30	37	5.15	+0.91	1.15	0	10	14	9	8	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	58.2	−4.8	75	8†	33	31	27	3.68	−0.66	1.34	0	8	18	3	10	w.	Gustav Holtz.
Hamburg	Berks	535	41	......	......	87^{h}	4†	39^{h}	31	40^{h}	3.44	−1.56	2.10	0	10	14	10	7	w.	State Sanatorium.
Hanover	York	600	30	72.0	−1.1	92	10	45	31	32	5.26	+1.00	1.49	0	11	13	5	13	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	70.6	−2.0	91	10	48	31	26	5.08	+1.04	1.17	0	12	13	5	13	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	16	64.6	−3.2	89	10	33	31	40	2.78	−1.27	0.90	0	11	21	5	5	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	74.2	+0.7	90	10	54	31	20	6.47	+2.72	1.67	0	11	12	10	9	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	68.4	−2.0	93	10	40	30†	38	3.72	−0.06	1.31	0	14	15	8	8	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	71.8	+0.9	94	19	38	30†	42	4.77	+0.99	2.35	0	12	12	10	9	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	3	64.7	......	90	10	31	30	44	5.32	....	1.75	0	9	14	9	8	sw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	71.8	−0.2	91	3†	48	6	37	4.39	+0.59	0.97	0	11	14	8	9	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	65.9	−2.0	93	10	38	30	41	6.38	+2.83	1.40	0	12	15	13	3	......	C. P. Darling.
Lebanon	Lebanon	469	50	70.5	−1.3	90	10	42	30	32	3.52	−0.78	1.30	0	10	17	7	7	ne.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	44	69.3	−1.8	95	10	41	30	34	3.24	−0.83	0.75	0	14	7	17	7	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	74.8	......	91	23	53	29†	26	5.31	....	1.47	0	10	18	7	6	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	68.4	−1.6	89	14	37	31	40	3.31	−1.45	0.84	0	10	15	9	7	w.	R. K. Wintermute.
Mifflin	Juniata	445	30	70.9	+0.4	98	10	40	31	40	2.04	−1.89	0.62	0	7	12	8	11	n.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	67.2	+0.9	81	7	49	28	22	1.27	−2.95	0.57	0	5	21	4	6	n.	Mrs. Milton Smith
Mt. Pocono	Monroe	1,720	28	60.9	−2.9	79	10	36	30	34	3.80	−0.44	1.50	0	10	20	1	10	n.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	65.1	−2.5	88	10	35	30	40	4.55	−0.05	1.34	0	12	21	2	8	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	70.0	−1.0	89	24	43	31	34	3.14	−1.68	0.91	0	10	15	10	6	e.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	67.8	......	87	11	39	30†	34	2.42	−1.29	0.87	0	11	18	7	6	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	73.2	−1.6	89	14	54	30	21	4.29	−0.33	1.51	0	12	10	5	16	s.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	73.4	......	90	14	50	30	30	4.03	....	0.80	0	12	9	11	11	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	72.8	−1.4	87	10†	53	30	22	3.98	−0.56	1.10	0	11	8	11	12	......	Commandant, Navy Yard.
Phœnixville	Chester	100	24	72.4	−0.5	92	14	41	31	37	4.50	−0.16	1.24	0	11	10	16	5	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	67.5	−2.7	86	11†	36	31	38	3.47	−0.90	0.84	0	11	14	6	11	nw.	John E. Beuner.
Reading	Berks	514	64	70.1	−2.3	87	14	47	31	28	2.11	−2.10	0.69	0	12	11	12	8	s.	U. S. Weather Bureau.
Retreat	Luzerne	900	1	67.1	......	86	10†	40	31	34	2.80	....	1.20	0	9	16	7	8	sw.	Theodore J. Sampson.
Scranton	Lackawanna	805	40	67.1	−2.7	86	8	41	30	33	2.75	−0.94	0.72	0	10	6	14	11	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	69.8	−1.4	96	10	40	31	37	4.20	+0.14	0.96	0	12	13	12	6	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	72.7	−0.5	89	1	48	30†	29	3.58	−1.45	0.95	0	13	14	8	9	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	70.4	......	91	11	42	30†	33	3.83	....	1.00	0	9	18	4	9	w.	State Teachers College
State College	Center	1,217	50	66.6	−1.9	90	10	39	30	34	3.35	−0.16	0.86	0	11	16	10	5	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	66.6	−2.4	90	11†	37	30	37	2.67	−2.30	0.92	0	7	20	0	11	w.	State Normal School.
Towanda	Bradford	754	40	65.8	−2.4	92	10	38	30	43	3.02	−0.41	0.91	0	13	8	12	11	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	64.2	−1.9	93	10	32	30	44	3.26	−0.25	1.18	0	8	13	10	8	w.	George W. Hill.
West Chester	Chester	455	85	......	......	......	......	......	......	...	......	......	......	......	....	....	....	....	......	Joseph W. Belt.
Williamsport	Lycoming	521	48	69.0	−1.7	93	10	40	31	37	3.00	−0.98	0.74	0	14	10	9	12	nw.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	68.6	−1.4	88	10	42	30	32	4.23	+0.52	1.04	0	11	14	10	7	sw.	Susquehanna Collieries Co.
York	York	400	46	71.0	−1.2	93	10	41	31	35	6.07	+2.12	1.70	0	12	13	14	4	se.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	70.4	−1.5	91	8†	42	30	33	4.75	+1.23	1.28	0	13	9	9	13	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	65.2	−0.4	89	8†	30	30	46	6.05	+2.18	1.83	0	11	10	12	9	......	John Fawcett.
Butler	Butler	1,077	21	67.2	−2.3	91	8	34	30	48	7.35	+3.15	3.66	0	10	14	14	3	nw.	William C. Faust.
Chambersville	Indiana	1,047	4	67.2	−2.7	89	10	34	30	41	7.67	+3.61	2.36	0	14	15	2	14	w.	John E. Lewis.
Clairton	Allegheny	1,020	2	68.6	......	90	8	42	30	34	8.07	....	1.77	0	12	15	7	9	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	71.0	−0.3	95	8	37	30	44	6.21	+2.42	1.67	0	12	18	8	5	w.	J. L. Melvin.
Corry	Erie	1,430	21	65.6	−0.2	92	8	35	21†	46	4.17	+0.57	0.82	0	12	15	14	2	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	69.4	−1.2	88	9	40	30	36	7.06	+3.03	1.74	0	13	16	11	4	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	66.1	+0.5	83	7†	39	30	34	5.76	+1.84	1.45	0	13	19	6	6	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	65.4	−0.4	83	7†	35	30	43	4.40	−0.05	1.05	0	7	22	4	5	w.	J. S. Stevanus.
Franklin	Venango	957	60	67.6	−0.5	93	9	36	30	46	3.77	+0.07	1.17	0	12	12	8	11	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	69.4	−1.1	89	8	41	30	36	7.67	+3.72	1.68	0	13	14	13	4	e.	Westmoreland Water Co.
Greenville	Mercer	950	38	68.6	0.0	94	8†	35	30	45	6.27	+2.87	3.20	0	10	14	4	13	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	66.7	−1.4	87	9†	39	30	35	7.39	+4.13	4.65	0	12	14	9	8	n.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	70.0	−1.1	89	7†	41	31	40	7.81	+3.48	1.50	0	14	17	10	4	uw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	2	61.3	......	84	7†	31	30	39	4.25	....	1.06	0	13	8	9	14	sw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	42	70.0	−0.8	86	7†	45	30	32	7.14	+2.96	1.74	0	9	9	10	12	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	69.0	−2.1	93	9	38	30	40	5.98	+2.24	3.65	0	10	14	6	11	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	69.8	......	90	9	45	30	34	10.49	....	2.85	0	12	16	5	10	uw.	Fred Hoffman.
New Castle	Lawrence	808	54	69.0	−1.3	98	11	38	30	42	6.37	+3.16	2.46	0	21	10	14	7	sw.	New Castle Water Co.
Newell	Fayette	800	14	70.0	−1.5	90	9	44	30	31	6.35	+3.29	2.00	0	11	21	10	0	ne.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	70.7	−2.2	90	9	46	30	29	7.47	+4.24	1.45	0	12	9	12	10	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	65.0	−2.3	90	8	33	30	46	5.19	+1.92	1.33	0	15	11	9	11	sw.	West Penn. Power Co.
Sharon‡‡	Mercer	940	21	67.9	−1.9	93	8	38	30	36	5.88	+2.45	3.60	0	10	13	14	4	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	65.1	−2.1	84	7	31	30	48	5.39	+0.79	1.50	0	11	9	9	13	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	71.0	−0.6	89	7†	43	30	35	4.66	+0.04	1.02	0	12	13	13	5	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	70.0	−0.9	92	8†	41	30	37	8.75	+4.69	2.54	0	11	22	6	3	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	68.8	−1.6	87	10	40	30	30	3.51	−0.40	0.86	0	10	14	10	7	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	70.6^{a}	......	91^{a}	8	39^{a}	30	37^{a}	5.18	....	1.50	0	10	4	14	13	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	68.7	−0.9	92	8	49	30	28	3.15	−0.12	1.02	0	9	13	14	4	n.	U. S. Weather Bureau.
For the State			....	68.6	−1.4	98	10†	30	30	48	4.94	+0.77	5.28	0	11	14	8	9	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complet reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; o Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for August, 1934

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic Drainage.																																	
llentown||||	Lehigh	.02	.01	.31							.33	.19		2.78	.20		T.	.25							T.	.08				T.			4.17
ltoona	Juniata		.03	1.14						.21		.43	.28	.12		.14	.97				.06			.12	1.02	.05			.14				4.71
usonia||||	W. Br. Susq	.22		.59							T.	.07		1.09	.09		.18	.06						.73	.43				.70	.02			4.18
rdmore	Lower Del		.31	.30						.20		.65	.95	.10	T.	.22	.47								.09		.30		.05				3.64
rendtsville	Lower Susq			.80	.10					.31	.53		2.13		.18	.37	1.10		T.							.40			.04				5.96
aker's Summit	Juniata		.01	.88						.55		.80	.20	.28		.12	1.54	.03			.04			.02	.58				.10				5.15
edford	Juniata		.04	1.03						.50		.68		.20		.30	1.28		T						.40				.26				4.69
ellefonte***	W. Br. Susq		.64	.07		T				T.	1.07	.04	.12	.17	T.	.05	.54			.02				T.	1.07			.02	.15				3.96
ethlehem	Lehigh		.02	.27						.17	.02	.15	1.03	1.65	.06		.25								.03	.07			T.				3.72
loserville‡‡	Lower Susq			1.12						.12		.08	1.58				T.	.85							.35			.10					4.20
uffalo Mills	Juniata			.68							.42		.55	.20	.14		.30	1.89							.08	.60			.10				4.46
arlisle	Lower Susq		.14	1.63						.57	T.	.14	1.59	.21		.07	.81								.39	T.			.05	.02			5.62
atawissa‡	N. Br. Susq		.03							.45	1.10	.02	.42	.19			.60						.62		.23								3.66
enter Hall	Susquehanna		.14	1.06						.02	.04	.75		.63		.10	.62								.95			.12					4.43
hambersburg	Potomac			.53						.70		.08	1.69	.02		.06	.84								.54				.06				4.52
learfield	W. Br. Susq			1.15						.25	.55	.16	.50	.70			.50				.14				.92								4.87
oatesville	Lower Del		.73	.20						.09		.40	.65	.04		.26	.85								.42	.06			.17				3.87
olebrook	Lower Susq		.11	1.15						.39		.07	1.78	.29	.03	.03	.41		T.						.56				.17				4.99
onshohocken	Schuylkill		.39	.11						.01		.21	1.33	T.	T.	.42	.40								.02	.02	.44		.18				3.53
resson‡	Juniata		.50	.60						.28	.44	.60	.16	.18		.15	.95			.14			.11		1.01				.11				5.23
oylestown	Lower Del	.03	.41	.67						.59		.50	.66	.63	.02		.26								.22	.01			.18				4.18
mporium	W. Br. Susq		T.	.85						.10	.42		1.81	T.	.55	T.	.95				.02		.20		.52			T.	.44				5.86
phrata	Lower Susq		.12	.76						.47		.09	1.34	.16	.04	.16	.41								T.	.10			.19				3 84
orest City	N. Br. Susq			.59	.52							.62	.25	.18			.10	.28	.03					.44	1.05	.21			.53				4.80
reeland||||	Lehigh			.40							.01	.33		.70	.08		.06	.24	T.					.28	.64	.03			.16	.03			2.96
aleton	W. Br. Susq	.07		.81						.38	.43		1.26		.08		.22						.92		.51			T.	.77				5.45
eorge School	Lower Del		.23	.47						.34	.01	.24	1.06	.48	.01	.60	.24								.17	.07	.06	T.	.19	.03			4.20
ettysburg	Potomac		T.	.19	.08					1.13		.65	.82	.02	.01	.46	1.05	.01	T.						T.	.58	.02		.04				5.06
irardville||||	Lower Susq		1.12	.32							.01	1.52	.78	.19			.30								.23	.67			.20				5.34
ordon	Lower Susq		1.06	.42						.01		1.15	.83	.44		T.	.35							.04	.64				.21				5.15
ouldsboro‡‡	Lehigh			.04		.45					.04			.53	.15			.21						.92	1.34								3.68
raterford	Schuylkill		.11	.67						.02		.26	1.48	.07	.02	.09	.33								.37	.20							3.62
amburg	Schuylkill		.10	.58						.06	*		2.08	.02			.36							.13	.05				.06				3.44
anover	Lower Susq		T.	.32						.65		.68	.95	.01	.02	1.49	.72	.01							T.	.37			.04				5.26
arrisburg***	Lower Susq		.19	.75						.49	.85	.10	1.16	.09	.01	.39	.62	T.	T	T.				T.	.08	T.			.35				5.08
awley||||	Upper Del			.13	T.						.02	.05		.40			.12	.25						.60	.60	.30			.30	.01			2.78
ollisterville	Upper Del			.11	.14						T.	.03	.08	.60	.01		.19	.16						.40	.59	.06			.31	T.			2.68
oltwood‡‡	Lower Susq	.01	.40	1.29						1.03		.26	1.67	.06	.01	.20	.90								.64				T.				6.47
untingdon	Juniata		.04	1.31						.11		.13	.13	.16	.01	.10	.70							.12	.76	.04			.10		.01		3.72
yndman	Potomac		.07	.52						.45		.20	.33	.40		.29	2.35	.02							.05				.04	.05			4.77
ylertown	W. B. Susq			.74						.22		1.75	.34	.47			.56				.12				.86				.26				5.32
akeville||||	Upper Del			.18	.05				T.			.12	T.	.50			.10	.28	T.					.47	.71	.19			.30	.02			2.92
ancaster	Lower Susq		.07	.36						.95	.01	.09	.97	.06		.25	.68								.72				.23				4.39
ansford||||	Lehigh	.01		.51							T.	.79		.83	.18		.02	.17						.35	.34	.36			T.	.07			3.63
awrenceville	N. Br. Susq			.65							.65	.40	.85		1.28		.40						.30	.10	.22	.08		.05	1.40				6.38
ebanon	Lower Susq		.49	.29						.40	.09		1.30	.07		.19	.40								.25			T.	.04				3.52
ock Haven	W. Br. Susq		.06	.57							.28	.25	.20	26	.15	.01	.25				.02			.09	.75				.34	.01			3.24
arcus Hook	Lower Del	.12	1.34							.35	.08		1.00	.05		.19	.63							T.	.08		1.47		T.				5.31
atamoras||||	Upper Del			.09								.02		.64				.64						.34	.03	.43							2.19
auch Chunk	Lehigh		.19	.27						.26	.33		.84	.20	T.		.23							.16	.73				.10				3.31
ifflin	Juniata		T.	.62						T.		.14	.12	T.		.06	.51							T.	.44				.15	T.			2.04
ontrose	N. Br. Susq		.10	.57				.10					.05									.45											1.27
orris Run	N. Br. Susq			.50						T.	.49	.50	1.26	.03		T.	.20						.11		.68	.16			.64				4.57
ount Pocono	Upper Del		.16	.10						.04	.10	T.	.15	1.05	T.		.20	T.						.45	1.50			.05					3.80
uncy Valley	W. Br. Susq		.06	.68						.09	.05	.45	.29	.10			.18						1.34	.15	.93				.23				4.55
eshaminy||||	Lower Del		.16	.52						.15		.37	.78	.13		.08									.12	T.	.70		.13				3.14
ew Park	Lower Susq		.40	2.04						.45	.28		1.55	.16	.31	.32	1.11								.16								6.78
ewport||||	Juniata			.53	.15						.10	1.90		.23	.05		.33	.43						.03	.10	.05		.06	.10				4.06
almerton‡	Lehigh		.11	.22						.03	.15	.07	.87	.17			.19						.36		.22				.03				2.42
aupack||||	Upper Del			.13		.05						.05		.50			.10	.20						.23	.75				.22				2.23
hiladelphia***	Lower Del		.43	.14						.03	T.	.26	1.51	T.	.64	.08	.47								.05	.40	.12		.16				4.29
hiladelphia-Gtn	...do		.39	.17						.03		.18	.80	.75	T.	.70	.50								.03	.02	.32		.14				4.03
hila. Navy Yard||||	...do			.75	T.						.08	.28	T.	.60	.04		.07	.60							.03	.13	1.10			.30			3.98
hila-P'nt Breeze.‡	Lower Del		.01	.42						.05			1.40	.02		.98	.53								.04		1.06		.46				4.97
hoenixville	Schuylkill	.03	.08	1.16								.90	.28	1.12	.05	T.	.52								.13	.16	T.		.07	T.			4.50
ine Grove	Lower Susq	..	.25	.50						.20	1.10		.90	.12	.06	.04	.40	T.							.15				.04				3.76
leasant Mount	Upper Del	.50											.63				.84						.23		1.62				.62				4.44
ottstown	Schuylkill		.07	.45						.18			.71	.07			.25								.04				.03				1.80
ottsville	Schuylkill	.13	.15	.50	T.					T.		2.50	1.08	.50	.01		.40								.22				.06				5.55
uakertown	Lower Del	T.	.26	.25						.41		.15	.84	.58	.07	.49	.28								.08				.06				3.47
eading***	Schuylkill		.08	.34						.16	.42	.01	.69	.05	.01	.05	.22								.06				.02				2.11
enovo.||||	W. Br. Susq			.70	.47				.20										.63	.37								.05			.70	.12	3.24
etreat	N. Br. Susq		.20	.47						T.		.16	.33	.03			.27							.74	.46				.14				2.80
cranton***	...do		.14	.36	T.	.03				T.	.55	.01	26	T.		T	.16						.72		.29			T.	.23				2.75
elinsgrove	Lower Susq		.11	.43						.16	.04	.92	.16	.65	.02	.06	.58								.92				.15				4.20
hawmont	Schuylkill		.10	.85						.28	.03	.74	.19	.53	.04	.04	.51	T.							.07	.02	.18		T.				3.58
hippensburg	Lower Susq			.63						.20		.10	1.00	.10		.20	.76	.14	T.							.70							3.83
now Hill‡‡	Upper Del		.30			.04						.06		.66				.48						.66		.90		.03					3.13
ate College	W. Br. Susq		.09	.67		T				.04	.20	.11	.11	.39		.13	.57				T.				.86	T.			.18				3.35
roudsburg||||	Upper Del			.67	.25										.50	.45		.30						.40		.10							2.67
unbury	Lower Susq			.31							.19	.78	.13	.28	.42	.02	.02	.56						.01	.68	.05			.18	T.			3.63
owanda	N. Br. Susq		T.	.34		.01				T.	.04	.01	.03	T.	.03		.24						.91	.01	.73			.01	.65	.01			3.02
eikert	Lower Susq																																......
ellsboro	W. Br. Susq	.03									.45	.33	.85		T.		.21						.40		.52				.47				3.26
est Chester	Lower Del		.16	.58							§	§	§	§	§		§	§							.16				.01				§
estgrove||||	...do			.65	.17						.18	.03		1.54	.16	.03	.10	.76								.66	.10		.03				4.41
ilkes-Barre||||	N. Br. Susq			.60		T.					.03	.80	T.	.38	T.		.08	.10						.58	.12	.08			.17	T.			2.94
illiamsport||||	W. Br. Susq			.74		.05					.10	.51	.13	.34	.12		.06	.14			.02			.04	.45	.03			.27				3.00
illiamstown	Susquehanna		1.04	.58						.25		.61	.49	.16	.26		.53								.11	.08			.12				4.23
ork	Lower Susq			.78						.43		.16	1.34	.03	.02	1.04	.66	.11							.40	1.08			.02				6.07
ork Haven||||	Lower Susq			1.00	.13						.46	.25		1.80	.18		.07	.49								.16				.16			4.70
onsville..(near)	Schuylkill		.27	.28						.13		.14	1.11	.41	.05		.31	.01							.05	.05							2.81
renton, N. J***	Lower Del		.06	.19						.05		.06	.74	.15	T.	.22	.24			T.					.04	T.	.62		.22				2.59

Continued on page 39.

Daily Precipitation for August, 1934—Continued from page 38

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio			.78						1.28		.28	.18	.40	.06		.67	.25			.03				.25	.27			.08	.22			4.75
Beaver Falls‖‖	Beaver	T.		.70	T					2.36	.01	.16	.28	.22	.03		.87	.12			.02				.26	.11	T.		.06	.09			5.29
Brookville	Allegheny	.35		1.17	T.	T.				.51	T.	.84		1.41	.42		.29	.11							.48	.21			.26				6.05
Butler	Ohio			1.15						3.66		.22		.12		.20	.32			.38			.50		.71			.09	T.				7.35
Chambersville	Allegheny		.02	.96						.52	1.37	.66	.12	.18	.42	.59	.03			.07			.14		2.36				.23				7.67
Clairton‡	Monongahela		.75	.49						1.75	.11	.80	.01	.86		.20	1.57							.07	1.24				.22				8.07
Claysville	Ohio		.17	1.13						T.		.03	.08	.47		.25	1.67				.08			.08	1.68	.23			.34				6.21
Clymer‡‡	Conemaugh		1.08							.36			1.34	.72		.65	.05	.70						1.28	1.08	.20		.22					7.68
Confluence‖‖	Youghiogheny			1.07	.07					.05	1.66				.40		.89	1.30			.25				.19	.40			.10	.10			6.58
Corry	Allegheny		.47	.82		.06				.57				.02	.21		.38				.19				.18			.20	.57	.50			4.17
Derry	Conemaugh		T.	1.14	.28					1.74		.73	.23	.32		.05	1.31	.02						.02	.67	.27			.28				7.06
Donora‖‖	Monongahela		.03	1.07	.05					.67		.28	.16	.83			1.16	.34	2.10		T.			T.	.79	.42			.17	.27			8.34
Ebensburg	Conemaugh		.08	.94						.41		1.08	.12	.12		.17	.76				.18			.15	1.45	.07			.23				5.76
Elk Lick	Youghiogheny		.10	1.00						1.05			.28	1.00			.42												.55				4.40
Franklin‖‖	Allegheny	.25		1.17						.87		.06	.02	.16	.03		.42	.26			T.				.10	.20			.23	T.			3.77
Greensboro	Monongahela			1.30	.01	T.	T.				T.		.12	.07	.20		.51	.78			.28				.38	.21			.18				4.04
Greensburg	Youghiogheny		.02	1.06						1.35		.94	.21	.85		.05	1.68				.02			.23	.86	.08			.32				7.67
Greenville	Beaver			1.24						3.20	.12	.03	T.	.05		.03	.53						.05		.48			T.	.54				6.27
Grove City	...do			.56						4.65	.01	.02	T.	.12		.18	.43				.19		.13	.05	.82				.23				7.39
Herrs Isl. Dam‖‖	Ohio			1.01						.95	.78	.05	.96	.42	.51		.56	.39						.33	1.13	.62			.09	.08			7.88
Irwin	Monongahela		.08	.74						2.00		.70	.18	.90		.23	1.65				.03			.02	.96	.22			.23				7.94
Johnstown	Conemaugh		.04	.98	.35					1.50		1.45	.30	.11		.21	1.21				.11			.34	.92	.21			.08				7.81
Kane (near) ‡‡	Allegheny			1.06		.03				.21	T.	T.	.62	T.	.24	.01	.32	.01			.20		.94	.03	.19			T	.39				4.25
Kregar‖‖	Youghiogheny		1.11	.35						1.01		.53	.20	.54		.21	1.60							.46	.28			.15	.13				6.57
Lake Lynn‖‖	Monongahela			.90								.03	.13	.02	.63		.15	.94							.44	.13			.08	.02			3.47
Linesville‖‖	Beaver			1.26	.01	.02				5.12		.03		T.	.28		.38	.13			.01			.03	.08	.03			.45	.02			7.85
Lock No 2‖‖	Ohio			.82						1.23	.09	.09	.86	.42	.06		.59	.40						.10	.83	.57			.10				6.16
Lock No. 4‖‖	Monongahela			1.12	.06	T.				.11	.74	.05	.66	.09	.58		.57	1.17			.13				.87	.03			.18	.18			6.54
Lock No. 5‡‡‖‖	Allegheny			.28						1.93	.23	.01	.43	.16	.12		.78	.31			.72			.01	.67	.89			.09	T.			7.13
Lycippus	Conemaugh			1.15		T.				.95		.62	.32	.48		.05	1.49								1.74				.34				7.14
McKeesport‖‖	Monongahela			1.24	.24					.47	1.47	T.	.67	.01	1 60		.48	.68							1.01	.16			.11	T.			8.14
Meadville	Allegheny		.18	*						3.65					.38	.07	.94						.08		.29			.09	.30				5.98
Mosgrove	...do			1.37	T.					.53	.24		.58	.48			.22	.20			.05			.05	.48	.20			.06	T.			4.46
Mount Lebanon	Ohio		.68	.79						.95	1.15	1.70	.07	1.58		.50	1.29				T.			.07	1.55			T.	.16				10.49
Natrona‖‖	Allegheny	.02		.80						1.58	.82	.18	.52	.18	.17		.50	.38			.11			.01	1.10	.41			.14	T.			6.92
New Castle‖‖	Beaver			1.00		.01	.01			2.46	.01	.17	.02	.23	.01		.52	.10		.01	.16	.01		.43	.59	.34	T.	T.	.25	.02	.01	.01	6.37
Newell	Monongahela		.78			.63				.32				.50			2.00	.69	.02	.50					.65	.16			.10				6.35
Parkers Landing‖‖	Allegheny	T.		1.15						1.52	T.	T.	.37	.40	.20		.39	.19						.78	.28	.08			.20				5.55
Pennline‖‖‡‡	Beaver			1.18		.02				5.28					.28	.01	.57	.03						.06	.14				.67	.01			8.25
Pittsburgh***	Ohio		.95	.24		T.				1.26	T	1.34	.32	.77		.14	.81	T.		T.			.02	.41	1.09			T	.12				7.47
Punxsutawney‖‖	Allegheny			.89						.54		.77		.17	.12		.48	.21						.75	.72	.69							5.34
Ridgway	...do	.04		1.33	.02				.36	T.		.03	.08	1.20	.62	.33	.14				.09			.06	.25	.23			.41				5.19
Saltsburg‖‖	Conemaugh		.09	.79	.06					1.68	.37	.21	.26	.02	.20		.55	.68						.08	1.15	1.06			.22				8.45
Sharon‖‖	Beaver		.83							3.60		T.		.09			.40	.05		.56				.05	.17	.03			.10				5.88
Smethport	Allegheny			1.20				.10	T.			.05	.03	1.02	.20		.22	.30						.10					.78				4.00
Somerset	Youghiogheny			.83	.19					.64		.27	.05	.95		.24	1.50								.42	.18			.12				5.39
Springdale‖‖	Allegheny			.90	T.					2.00	1.68	.03	.52	.22	.24		.50	.30							1.39	1.64			.10	.03			9.55
Uniontown	Monongahela			.99	.12	T.				.08		.15	.01	.32		.39	1.02				.28				.94	.16			.20				4.66
Unity Reservoir‡‡	Youghiogheny		T.	1.00						1.15		.58	.45	.95	T.		1.88									.08			.35				6.4
Vandergrift‡	Conemaugh		.90	.20						1.67	.38	*	*	*	.86	.36	.76				*	.99	.02	.07	2.54								8.75
Warren	Allegheny			.86						.15			.03	.63			.30				.04				.26			.38	.40	.46			3.5
Waynesburg	Monongahela		.05	1.35								.08		.06		.45	1.50				.11				1.35	.06			.17				5.18
Westford‖‖	Beaver	.02	1.74							4.92	.02		.08		.60				.23				.24	.14	.45			.30					8.7
West Newton‖‖	Youghiogheny			.90	.09					.25	1.11	.35	.30	.09	1.01		1.15	.47						T.	.05	.65			.18	.06			7.5
Lake Drainage.																																	
Erie***	Lake Erie		.54			T.			.02	.54	.02			.01	T.		.37			T.				.03	T.			.60	1.02				3.1

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.02	30.35	31	29.70	2	10.8	30	s.	19	72	65	66	67
Harrisburg	30.03	30.43	31	29.76	3	6.2	25	w.	10	76	60	68	58
Philadelphia	30.05	30.44	31	29.77	3	10.7	31	e.	12	74	56	64	51
Pittsburgh	30.04	30.34	31	29.76	2	7.9	42	nw.	2	83	60	62	71
Reading	30.04	30.44	31	29.76	3	9.1	34	nw.	3	77	59	67	59
Scranton	30.04	30.43	31	29.72	3	5.9	18	nw.	10	81	58	66	62

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.2	3.2	1	1.5	14	18
Phillipsburg	Delaware	1.3	3.7	1	0.8	23	22
Mauch Chunk	Lehigh	1.8	2.3	1	1.4	22	17
Wilkes-Barre	Susquehanna	1.6	2.1	2	1.3	22	20
Williamsport	Susquehanna	0.7	1.4	28	0.4	10	20
Harrisburg	Susquehanna	3.3	3.6	1	3.2	22	17
Greensboro	Monongahela	11.0	15.3	17	10.1	11	30
West Newton	Youghiogheny	14.1	11.2	17	0.3	2	20
Lock No. 4	Monongahela	11.5	15.4	18	10.7	13	30
Pittsburgh	Ohio		e14.2	17	e9.9	2	25
Beaver Dam	Ohio		e13.1	17	e9.1	28	30

e—Pool stage.

Daily Temperatures for August, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	81	76	84	81	79	79	83	83	79	83	87	72	70	86	85	67	73	78	82	79	73	80	81	88	77	76	80	70	70	72	69	78.2
	Minimum	64	60	63	66	64	48	53	55	62	68	70	70	57	58	64	66	59	57	61	69	52	52	56	67	68	57	51	51	49	41	41	58.7
Altoona	Maximum	83	78	78	79	80	77	84	81	78	89	80	71	67	78	84	72	83	80	85	77	80	82	74	78	78	75	79	72	68	68	70	77.7
	Minimum	50	56	58	59	62	43	48	56	65	67	69	63	57	63	62	62	62	63	58	57	43	52	57	66	56	46	48	55	45	36	38	55.5
Bedford	Maximum	86	86	84	81	82	83	86	86	83	88	86	76	80	88	87	70	82	87	88	86	78	84	82	82	76	76	81	80	69	73	74	81.6
	Minimum	53	54	62	58	58	48	48	61	66	66	69	66	60	66	65	64	64	63	67	61	48	52	60	68	62	53	44	58	46	38	38	57.6
Bellefonte	Maximum	80	78	77	80	78	76	85	79	78	90	75	68	66	83	81	73	81	77	82	74	73	80	76	77	73	74	77	70	66	67	69	76.2
	Minimum	54	57	59	60	54	45	49	58	67	64	65	59	59	62	62	63	64	59	58	52	44	52	55	66	58	47	44	52	43	36	38	55.0
Brookville	Maximum	82	84	83	83	82	79	85	89	89	87	88	74	68	83	83	84	78	88	87	87	74	81	81	77	80	77	76	78	71	67	72	80.4
	Minimum	45	51	56	49	57	33	39	51	67	62	63	59	59	57	55	61	56	50	52	50	36	46	50	55	49	38	42	52	44	30	32	49.9
Butler	Maximum	85	84	80	82	80	81	89	91	90	89	87	75	85	84	83	79	86	88	88	86	80	79	78	76	73	75	80	75	72	70	76	81.5
	Minimum	46	59	60	53	42	40	41	56	65	67	66	63	61	61	59	61	52	54	60	52	41	56	57	64	52	45	39	48	42	34	40	52.8
Carlisle	Maximum	89	83	86	87	87	87	87	83	82	94	93	77	77	90	90	74	79	77	79	83	82	86	84	89	82	81	85	82	74	75	77	83.3
	Minimum	58	65	64	64	64	49	46	52	69	64	71	59	59	64	68	65	63	59	63	67	52	53	60	70	65	56	53	56	49	40	39	58.9
Catawissa	Maximum	85	80	84	83	83	84	86	84	81	91	87	79	68	90	85	78	84	77	85	79	76	87	82	85	79	78	80	71	72	75	77	81.1
	Minimum	56	59	63	61	60	46	50	59	68	70	69	65	58	63	63	64	61	60	64	66	47	52	59	60	63	51	48	62	47	39	39	57.8
Chambersburg	Maximum	86	81	88	84	87	81	88	86	80	94	84	77	67	92	90	72	79	78	86	81	77	85	83	87	77	79	84	77	74	74	78	81.8
	Minimum	59	63	64	64	64	51	54	62	68	71	71	66	59	62	68	65	64	62	63	69	54	54	63	71	67	61	52	51	50	42	41	60.5
Chambersville	Maximum	84	83	79	82	82	80	86	87	85	89	78	75	86	85	76	80	81	85	87	77	78	82	79	78	75	78	79	74	70	69	74	80.1
	Minimum	49	57	56	51	58	40	45	60	66	68	67	63	59	61	63	61	62	57	57	54	42	55	55	64	53	43	44	54	45	34	42	54.4
Claysville	Maximum	90	84	83	86	86	86	90	95	94	89	85	86	91	91	89	82	85	89	89	88	82	83	78	78	78	78	83	78	71	73	81	84.5
	Minimum	49	66	63	54	62	42	54	62	73	72	70	68	65	67	65	65	61	58	57	51	44	60	55	65	59	47	45	57	43	37	49	57.6
Clearfield	Maximum	86	84	78	82	82	82	88	84	83	91	80	74	78	83	81	74	85	82	87	76	77	82	80	77	74	78	82	80	75	82	86	81.1
	Minimum	68	68	48	61	68	41	46	54	66	72	66	60	56	60	57	63	56	57	60	56	41	48	60	37	42	48	45	42	35	44	46	53.9
Coatesville	Maximum	82	80	84	82	82	80	84	85	87	89	87	80	67	89	78	89	76	83	85	83	76	82	84	91	81	78	84	75	72	71	76	81.4
	Minimum	65	62	64	66	63	50	52	58	63	69	70	60	58	64	68	61	59	58	61	68	54	52	67	68	68	61	52	56	51	44	42	59.8
Corry	Maximum	87	82	82	83	76	81	91	92	90	87	88	87	85	81	76	78	83	88	87	67	78	83	77	81	75	74	77	69	68	74	73	80.6
	Minimum	45	54	58	46	56	41	45	58	66	64	58	57	58	60	55	60	59	52	53	49	35	57	47	61	40	39	39	49	39	37	35	50.7
Emporium	Maximum	79	79	81	80	75	77	84	85	79	87	77	70	71	80	78	72	80	82	84	71	73	79	73	78	73	74	70	68	69	67	65	76.1
	Minimum	52	52	60	55	60	41	50	54	70	68	66	60	60	61	60	62	61	60	60	55	42	49	55	65	53	42	42	53	55	35	32	54.5
Erie	Maximum	78	81	76	80	73	72	86	92	85	81	78	79	83	73	77	78	75	86	88	71	77	80	78	75	68	71	64	65	64	66	78	76.7
	Minimum	59	61	67	58	59	55	61	70	71	73	67	66	65	65	62	66	65	63	71	54	49	68	57	61	55	57	55	52	49	49	51	60.7
Franklin	Maximum	90	86	88	86	80	85	92	92	93	88	86	70	87	86	82	80	86	91	89	72	78	82	77	81	80	80	69	74	75	77	80	82.6
	Minimum	49	53	59	52	55	44	46	51	61	68	67	61	62	60	58	62	61	56	58	52	40	44	53	55	52	43	42	45	44	36	39	52.5
Freeland	Maximum	76	74	77	75	71	70	77	80	73	83	78	72	58	78	81	71	68	74	78	75	69	77	73	80	73	70	72	62	61	63	69	72.8
	Minimum	56	61	59	59	60	46	56	59	59	67	64	55	52	57	62	58	54	57	61	60	46	52	52	60	55	51	53	51	45	43	46	55.4
Gettysburg	Maximum	86	84	90	84	87	83	86	81	80	92	89	78	69	90	89	71	74	75	83	82	77	83	83	86	84	79	84	78	72	73	76	81.5
	Minimum	62	63	65	65	66	53	53	63	69	72	71	69	59	66	69	66	63	60	66	69	55	56	64	71	67	63	53	60	52	45	43	61.9
Greensburg	Maximum	85	81	79	81	82	81	87	89	85	86	78	76	85	85	84	74	80	84	86	78	80	82	79	78	82	76	80	74	68	70	77	80.4
	Minimum	52	64	61	55	61	46	51	63	66	71	68	66	62	62	65	64	62	60	59	56	46	59	59	66	58	65	49	57	46	41	48	58.3
Grove City	Maximum	83	82	80	80	75	81	85	86	87	87	81	77	85	84	78	74	83	83	78	76	75	75	73	72	64	65	65	71	65	65	71	77.0
	Minimum	51	64	60	52	53	46	55	63	66	72	67	60	61	62	61	65	59	59	63	56	45	60	54	62	51	49	47	52	45	39	48	56.4
Hamburg	Maximum	86	80	83	87	82	83	84	82	81	85	87	80	70	....	....	....	....	....	....	....	....	87	87	84	80	78	79	81	75	79	79	......
	Minimum	63	60	63	66	45	48	48	56	64	70	65	60	58	....	....	....	....	....	....	....	....	50	58	63	63	46	49	54	45	44	39	......
Harrisburg	Maximum	84	78	83	82	82	79	83	80	79	91	84	75	64	88	86	73	76	74	82	80	73	81	80	86	74	76	82	73	69	71	74	78.8
	Minimum	66	65	66	67	65	55	59	63	68	69	72	59	59	63	64	65	61	62	68	63	58	57	68	71	67	64	57	60	55	51	48	62.4
Hawley	Maximum	82	75	84	81	76	78	83	84	79	89	86	75	65	82	80	71	70	78	86	77	78	82	74	83	75	76	80	70	69	70	71	77.7
	Minimum	54	49	62	56	58	40	44	51	61	62	65	56	53	59	59	55	53	48	53	65	40	42	54	55	57	46	42	52	43	34	33	51.6
Huntingdon	Maximum	83	81	82	82	83	81	86	84	79	93	78	73	69	88	86	74	85	80	88	79	76	85	78	82	75	74	82	75	70	72	75	79.9
	Minimum	52	54	62	58	59	43	50	57	70	67	69	65	61	65	64	65	65	62	62	58	47	50	59	67	60	50	45	56	44	40	40	57.0
ohnstown	Maximum	86	84	80	83	83	84	89	87	83	89	77	78	86	88	86	73	87	88	88	79	80	83	78	82	80	79	80	76	72	75	77	81.9
	Minimum	53	60	61	60	60	45	49	60	67	68	69	60	64	67	65	65	64	63	64	60	48	54	61	68	60	51	47	58	50	42	41	58.2
Lancaster	Maximum	89	84	91	85	86	81	83	83	83	91	89	86	68	89	90	83	77	80	85	86	82	81	85	87	82	79	86	81	76	86	82	83.7
	Minimum	60	60	64	63	60	48	51	58	63	68	70	63	59	64	67	65	61	59	59	55	51	52	61	70	66	60	49	56	49	65	51	59.9
Lawrenceville	Maximum	83	78	85	81	80	80	89	90	84	93	83	75	68	81	77	75	78	84	87	75	78	81	74	80	80	78	76	68	66	70	75	79.1
	Minimum	52	52	58	58	43	42	48	55	67	52	64	53	57	57	58	58	61	58	59	59	40	51	54	61	58	42	41	51	46	38	41	52.7
Lebanon	Maximum	84	78	85	82	82	80	83	82	80	90	86	76	71	88	88	75	76	76	84	81	75	84	83	89	77	78	82	72	71	72	76	80.2
	Minimum	60	64	63	64	63	51	53	62	67	70	71	70	59	60	67	65	60	61	65	67	59	56	62	70	66	59	51	60	53	42	44	60.8
Marcus Hook	Maximum	84	86	88	88	84	84	86	86	88	88	88	73	87	89	87	75	82	86	86	83	84	82	91	87	86	86	83	76	73	75	77	83.8
	Minimum	69	70	72	70	58	59	65	68	75	76	73	59	67	70	69	61	72	75	73	59	63	69	72	73	66	61	64	55	53	53	53	65.9
Meadville	Maximum	88	87	82	84	85	83	91	92	93	92	88	89	89	88	78	80	85	88	86	90	78	82	80	82	73	75	75	70	67	71	78	82.9
	Minimum	49	60	61	57	61	45	51	63	67	67	66	61	63	60	59	65	60	56	66	54	40	61	51	63	52	45	44	48	42	38	40	55.1
Mifflin	Maximum	86	88	83	86	86	86	90	89	84	98	92	82	70	91	89	80	81	81	88	87	81	85	84	86	83	80	85	84	77	75	77	84.3
	Minimum	56	59	52	60	62	46	50	59	71	62	70	67	60	63	61	66	65	63	61	62	49	52	59	69	63	52	47	47	48	42	40	57.5
Montrose	Maximum	74	72	76	78	80	77	81	78	78	76	75	80	79	76	78	77	78	80	76	74	75	79	77	70	77	78	62	69	70	68	72	75.5
	Minimum	60	52	58	59	62	60	63	60	59	54	58	61	60	59	62	60	64	66	59	60	61	65	62	60	59	60	51	49	56	50	57	58.9
Muncy Valley	Maximum	82	75	82	81	79	81	84	84	76	88	80	73	62	86	82	72	78	77	76	78	73	82	79	80	75	78	76	69	66	70	73	77.3
	Minimum	50	52	59	54	46	41	45	54	64	65	63	59	55	60	59	59	60	58	60	58	39	48	54	60	66	43	41	52	43	35	37	52.9
Philadelphia	Maximum	83	81	84	82	82	80	82	83	85	86	87	77	69	89	87	74	76	80	83	83	74	80	84	87	81	77	82	73	73	73	77	80.5
	Minimum	70	70	70	72	70	62	64	67	68	74	73	62	61	68	72	63	62	65	66	67	62	63	70	71	71	66	64	63	57	54	56	65.9
Pittsburgh	Maximum	86	79	80	81	80	82	87	88	90	88	77	78	87	85	82	75	85	87	86	74	79	80	79	77	74	74	78	70	67	72	75	80.1
	Minimum	59	64	63	59	62	53	59	68	70	74	69	67	65	70	66	66	65	64	66	58	54	64	62	63	60	53	55	53	49	46	54	61.3
Quakertown	Maximum	82	79	84	82	80	78	84	85	82	85	86	76	63	85	81	72	74	80	83	81	76	81	81	86	79	76	81	75	70	70	74	79.1
	Minimum	60	55	64	62	59	44	47	54	61	68	68	60	56	61	66	61	56	53	58	67	47	48	59	56	67	58	46	51	48	37	36	55.9
Reading	Maximum	81	77	82	80	79	79	81	80	80	85	86	76	63	87	86	71	73	78	82	79	73	81	82	86	78	77	80	72	71	71	75	78.4
	Minimum	65	66	64	66	65	56	57	62	66	70	70	60	59	63	68	63	60	63	66	63	56	59	66	68	68	62	58	58	55	48	47	61.8
Ridgway	Maximum	84	85	83	81	80	84	88	90	80	88	83	68	79	80	80	76	83	86	86	72	79	80	81	79	72	75	80	72	67	71	75	79.6
	Minimum	44	52	55	53	56	38	44	53	68	63	64	58	58	57	57	61	59	53	53	51	38	47	50	54	50	38	37	44	43	33	34	50.5
Scranton	Maximum	78	76	83	78	72	76	83	86	77	85	83	71	66	83	81	68	71	78	84	76	75	81	77	82	77	76	79	61	66	68	74	76.5
	Minimum	63	57	65	65	57	48	52	60	69	71	70	60	58	64	63	59	58	54	65	58	50	52	62	64	60	53	49	55	47	41	41	57.7
Selinsgrove	Maximum	83	83	81	83	82	80	85	80	80	96	86	82	85	87	85	78	79	76	82	80	75	82	80	85	82	80	81	76	70	72	77	81.1
	Minimum	65	60	61	62	60	47	52	58	68	68	58	55	50	54	65	65	63	62	63	68	50	52	60	69	66	62	58	55	58	41	40	58.5
Somerset	Maximum	81	81	76	76	76	78	84	81	80	80	76	76	82	82	80	70	81	82	82	77	76	78	76	76	78	71	75	72	64	69	68	76.9
	Minimum	44	56	59	52	57	36	36	53	64	63	67	62	64	67	62	59	59	59	55	55	42	53	53	65	58	48	41	53	42	31	37	53.3
State College	Maximum	81	79	76	79	79	78	84	80	79	90	80	72	67	84	83	73	82	78	83	74	74	81	77	80	74	75	78	71	67	68	71	77.3
	Minimum	54	58	58	59	61	45	50	56	68	66	61	62	57	61	62	63	61	62	60	58	46	53	57	64	56	48	47	51	47	39	40	55.8
Stroudsburg	Maximum	84	75	87	80	79	74	83	84	84	77	90	78	70	71	90	86	67	79	80	82	74	80	80	73	70	73	81	86	73	65	70	78.2
	Minimum	60	54	54	63	48	44	46	62	47	50	60	60	63	60	62	60	62	62	63	55	46	45	50	56	51	63	63	60	63	37	39	55.1
Towanda	Maximum	80	77	83	78	74	78	87	90	83	92	84	67	70	83	80	67	76	82	89	75	80	85	74	82	77	77	77	66	67	69	71	78.1
	Minimum	56	54	60	60	55	43	47	47	67	65	64	57	58	60	60	58	54	57	56	59	43	50	56	63	57	43	42	52	45	38	39	53.5
Uniontown	Maximum	85	81	80	81	83	82	89	89	86	84	78	87	85	88	82	73	80	85	85	78	81	83	84	78	76	78	80	74	69	69	80	81.1
	Minimum	54	66	63	58	61	47	54	68	71	74	70	70	67	72	67	65	65	63	59	58	50	60	61	68	61	57	50	59	47	43	56	60.8
Vandergrift	Maximum	87	83	82	82	83	81	88	92	87	89	92	90	74	87	82	76	88	75	88	90	81	85	80	81	78	80	81	75	70	69	76	82.3
	Minimum	52	63	62	56	60	45	51	60	68	71	70	63	64	67	65	66	63	53	55	60	48	60	58	63	56	50	48	61	47	41	44	57.7
Warren	Maximum	82	81	79	78	79	75	80	83	85	87	84	75	85	79	75	74	79	80	84	66	72	72	76	75	76	72	71	65	66	70	68	76.5
	Minimum	59	59	56	56	54	46	50	57	69	70	69	61	60	63	62	60	58	58	58	44	56	58	55	59	53	42	44	49	44	40	42	55.2
Waynesburg	Maximum	86	81	81	82	84	....	90	91	88	84	82	84	89	88	86	75	85	84	88	82	80	82	82	78	78	72	80	76	70	75	81	82.1*
	Minimum	53	66	64	57	47	....	55	61	73	73	69	69	67	70	66	65	62	59	57	55	47	59	58	66	61	55	47	59	44	39	47	59.0*
Wellsboro	Maximum	84	83	84	78	77	80	88	89	78	93	83	68	88	84	78	70	80	85	86	73	77	70	77	81	78	77	73	65	65	69	73	78.5
	Minimum	47	49	55	54	55	37	44	51	66	68	62	52	55	56	55	50	61	56	58	55	35	47	43	59	51	38	37	47	41	32	35	50.0
Williamsport	Maximum	84	80	84	85	82	82	87	82	80	93	82	78	66	88	83	78	81	80	83	79	76	82	79	84	79	80	80	76	70	74	75	80.4
	Minimum	57	57	62	61	61	48	50	60	69	66	70	60	58	62	63	63	63	64	64	63	47	53	59	65	60	48	46	54	48	41	40	57.5
Williamstown	Maximum	83	79	82	79	80	81	83	80	79	88	86	79	77	85	86	77	78	80	79	79	76	81	81	83	80	77	79	80	69	71	74	79.7
	Minimum	58	60	59	59	56	49	57	60	62	68	67	53	54	57	64	67	56	65	62	64	50	53	60	63	53	58	54	55	48	42	50	57.5
York	Maximum	89	86	88	82	84	82	83	81	81	93	91	79	66	89	89	74	77	76	85	84	80	83	82	89	83	76	82	82	70	73	76	81.8
	Minimum	57	63	64	64	61	48	52	61	66	72	70	66	61	65	68	66	63	59	63	66	53	55	61	71	66	62	52	59	48	42	41	60.2

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XXXIX. SEPTEMBER, 1934. No. 9.

GENERAL SUMMARY.

Temperatures during September were above the normal about two-thirds of the time, giving a moderate excess for the month, with very moderate extremes. The high temperature of 94° has been exceeded in September in 33 of the last 45 years, while 31° was an unusually high minimum, and no material frost damage occurred during the month. The chief feature for the month was the heavy rainfall. The State average of 6.58 inches was the greatest of record for September, and is almost twice the September normal. A monthly total of 15.13 inches at Gettysburg sets a new high station record. During August the heaviest rains occurred in the western, and more especially the southwestern counties. In September the heaviest rains were in the south-central and eastern portions of the State. During the sixty-one day period the State was thoroughly drenched, and the accumulated deficiency for the year was nearly wiped out excepting a few northwestern counties. There were several unusually heavy rains for 24 and 48-hour periods. Neshaminy Falls reports a 24-hour rainfall of 5.91 inches on the 8th, and Gettysburg a 48-hour rainfall of 6.20 inches on the 15th and 16th. Such heavy rains were unfavorable for all kinds of out-door work. They kept the fields muddy, and delayed fall seeding in nearly all parts of the State. In average years most of the seeding is done during the last half of September. This season there were many places where practically no seeding had been done at the close of the month. Last year the seeding was equally delayed by the extremely dry condition of the soil. Corn cutting and shocking made fairly good progress, but there was considerable molding of the fodder, and even of the grain in the shocks. The rains were very favorable for pastures and meadows, and for late feed of all kinds. Pastures was good to excellent at the end of the month. Most truck crops were benefited by the rains, but the quality of tomatoes was seriously damaged. During the last half of August and the first half of September the tobacco crop was badly damaged by rust. An unusual feature for the month was the prevalence of heavy fogs in the mountain regions and along the south slope of the Blue Ridge. In some of these regions a dense morning fog was the common occurrence. Storm damage for the month was confined chiefly to the flooding of the smaller streams, the washing of fields, and of unimproved roads. Many small highway bridges were washed out. There were practically no severe thunderstorms, and much less than the usual damage by lightning and by winds.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 91 stations, was 66.4°, an excess of 2.3° as compared with the September normal. The highest monthly mean was 71.4° at Marcus Hook, and the lowest was 57.2° at Gouldsboro. Extremes for the month ranged from a maximum of 94° at Franklin on the 25th, to a minimum of 31°, at Kylertown on the 28th. The greatest daily range in temperature was 46° at Ridgway on the 20th.

PRECIPITATION.

The average precipitation for the State, as determined by the reports from 145 well-distributed stations, was 6.58 inches, which is an excess of 3.12 inches compared with the September normal. The greatest monthly amount was 15.13 inches at Gettysburg, while the least, 2.41 inches, was recorded at Beaver Dam. The greatest amount recorded in any 24 consecutive hours was 5.91 inches at Neshaminy Falls on the 8th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888........	59.6	−4.5	84	29	4.84	+1.38	10.93	1.75	......	10	8	11	11
1889........	61.9	−2.2	92	30	5.05	+1.59	10.01	2.71	......	13	8	8	14
1890........	62.2	−1.9	91	25	4.57	+1.11	8.54	2.05	......	11	10	9	11
1891........	66.6	+2.5	94	32	2.39	−1.07	5.00	1.05	......	7	17	8	5
1892........	62.4	−1.7	90	29	2.81	−0.65	4.85	1.18	......	7	16	7	7
1893........	61.2	−2.9	90	26	2.67	−0.79	5.59	0.72	......	8	9	12	9
1894........	66.6	+2.5	95	24	6.30	+2.84	12.36	2.82	......	10	10	10	10
1895........	67.8	+3.7	100	24	1.71	−1.75	5.41	0.37	......	6	16	9	5
1896........	63.6	−0.5	98	26	4.82	+1.36	8.57	1.73	......	10	13	8	9
1897........	63.8	−0.3	100	24	2.18	−1.28	4.21	0.25	......	5	18	7	5
1898........	66.0	+1.9	100	25	1.70	−1.76	3.95	0.38	......	6	16	8	6
1899........	61.8	−2.3	93	23	4.70	+1.24	9.31	2.03	......	10	12	9	9
1900........	68.4	+4.3	100	27	1.77	−1.69	6.90	0.48	......	6	13	10	7
1901........	63.6	−0.5	95	29	3.39	−0.07	6.61	1.64	......	9	14	7	9
1902........	62.7	−1.4	99	28	4.66	+1.20	11.95	1.50	......	11	12	8	10
1903........	63.2	−0.9	94	27	2.09	−1.37	3.88	0.91	......	6	17	8	5
1904........	63.7	−0.4	95	21	3.37	−0.09	7.40	0.82	......	9	13	10	7
1905........	64.0	−0.1	95	27	3.41	−0.05	7.30	1.70	.....	7	15	9	6
1906........	67.0	+2.9	99	30	2.46	−1.00	6.57	0.36	......	7	15	9	6
1907........	64.8	+0.7	95	29	6.37	+2.91	11.86	2.18	......	14	8	10	12
1908........	65.6	+1.5	99	26	1.60	−1.86	4.06	0.51	......	3	17	9	4
1909........	62.8	−1.3	96	26	2.27	−1.19	4.90	0.64	......	6	15	9	6
1910........	65.5	+1.4	95	32	4.49	+1.03	8.45	2.26	......	10	13	8	9
1911........	64.9	+0.8	92	26	5.29	+1.83	10.18	1.85	.. ...	10	13	9	8
1912........	65.5	+1.4	95	25	5.57	+1.11	11.43	2.47	.....	12	12	7	11
1913........	62.4	−1.7	97	24	3.28	−0.18	8.43	1.24	......	8	13	7	10
1914........	61.5	−2.6	98	21	0.99	−2.47	2.67	0.03	......	5	18	7	5
1915........	66.5	+2.4	96	25	2.56	−0.90	6.96	0.45	......	8	16	9	5
1916........	62.5	−1.6	98	23	3.77	+0.31	8.18	0.91	......	8	17	8	5
1917........	59.0	−5.1	91	25	2.31	−1.15	6.34	0.00	......	6	16	9	5
1918........	58.7	−5.4	88	28	3.97	+0.51	7.52	1.82	......	10	12	8	10
1919........	64.4	+0.3	96	28	2.07	−1.39	4.57	0.46	......	8	16	8	6
1920........	64.5	+0.4	91	24	3.99	+0.53	9.40	0.97	......	9	16	8	6
1921........	68.9	+4.8	98	31	4.68	+1.22	11.48	1.47	......	11	13	9	8
1922........	66.3	+2.2	100	22	1.48	−1.98	3.73	0.17	......	4	19	7	4
1923........	64.8	+0.7	92	22	3.55	+0.09	8.68	1.54	......	10	13	10	7
1924........	59.8	−4.3	99	26	6.44	+2.98	11.72	3.46	......	11	11	7	12
1925........	67.5	+3.4	99	24	2.80	−0.66	7.63	0.86	......	8	11	12	7
1926........	64.2	+0.1	99	26	5.81	+2.35	13.90	2.23	......	12	11	7	12
1927........	64.9	+0.8	97	27	2.08	−1.38	7.00	0.20	......	6	18	7	5
1928.	60.4	−3.7	94	25	2.33	−1.13	5.73	0.71	......	9	12	9	9
1929........	65.7	+1.6	101	24	3.71	+0.25	8.72	1.05	......	9	14	8	8
1930........	67.8	+3.7	101	27	2.45	−1.01	7.01	0.64	......	9	15	10	5
1931........	69.1	+5.0	104	29	3.15	−0.31	6.65	0.74	......	9	16	8	6
1932........	65.2	+1.1	105	23	1.45	−2.01	3.43	0.48	......	6	16	9	5
1933........	66.3	+2.2	98	32	4.66	+1.20	11.67	2.23	......	12	13	8	9
1934........	66.4	+2.3	94	31	6.58	+3.12	15.13	2.41	......	12	12	8	10
Period.....	64.1	....	105	21	3.46	....	15.13	0.00	......	9	14	9	7

W. B. O. Philadelphia-10-24-34-1050

Climatological Data for September, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	65.4	−0.2	84	4	43	1	32	10.19	+6.84	3.72	0	13	16	2	12	ne.	John A. Frick.
Altoona	Blair	1,615	47	63.8	+0.7	86	4	37	28	32	5.93	+3.06	2.24	0	10	18	6	6	w.	F- E. Rooney.
Ardmore	Montgomery	350	2	68.4	+1.1	85	9	46	1	33	6.19	+2.24	1.27	0	16	....	....	....	......	H. G. Balderston.
Arendtsville	Adams	700	12	67.6	+1.2	88	15	43	1	35	14.09	+10.45	3.48	0	16	15	5	10	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	66.4	......	86	9	42	1†	35	5.92	....	3.00	0	12	15	6	9	se.	Charles C. Lee.
Bellefonte	Center	1,050	26	63.4	−1.5	82	4	39	28	32	6.14	+3.03	2.14	0	14	4	12	14	se.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	68.2	+1.5	86	24	44	1	34	10.80	+7.46	3.89	0	14	12	2	16	e.	Lehigh University.
Carlisle	Cumberland	467	68	68.2	+3.0	87	4	42	1	36	6.90	+3.42	2.03	0	14	16	3	11	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	66.8	+2.8	86	9	43	28	34	11.31	+7.89	3.28	0	12	12	11	7	......	W. L. Gearhart.
Center Hall	Center	1,272	38	61.4	−0.8	85	23	40	17	34	7.62	+4.55	2.35	0	12	10	9	11	......	S. W. Smith.
Chambersburg	Franklin	580	35	67.2	+1.1	87	4	43	19	36	9.21	+6.29	2.38	0	15	8	8	14	ne.	William B. Spear.
Clearfield	Clearfield	1,120	27	64.8	+0.9	86	4†	38	28	40	5.42	+1.94	1.70	0	9	4	19	7	sw.	E. W. Hess.
Coatesville	Chester	380	47	67.5	+1.3	90	10	42	2	37	6.96	+3.12	1.84	0	14	9	4	17	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	64.7	+0.5	80	4†	43	19	27	11.63	+8.06	4.03	0	14	14	3	18	e.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	64.1	+2.7	83	4	40	28	30	3.90	+0.41	1.43	0	11	13	7	10	e.	T. B. Lloyd.
Ephrata	Lancaster	380	42	68.6	+2.8	89	4	44	19	36	12.16	+8.69	2.67	0	14	10	2	18	ne.	Ira J. Keath.
Freeland	Luzerne	1,970	41	62.6	+3.0	79	4†	41	28	26	7.43	+3.65	2.08	0	14	5	11	14	se.	Theo. Reichmann.
George School	Bucks	190	28	67.8	+1.8	85	9†	43	3	33	8.72	+5.45	4.25	0	19	9	10	11	e.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	68.2	+2.6	86	10	45	1†	32	15.13	+11.69	3.15	0	18	12	6	12	se.	Dr Henry Stewart
Gordon	Schuylkill	840	30	64.4	+2.1	82	4†	39	1†	34	6.86	+2.63	1.35	0	11	16	3	11	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	57.2	−0.5	72	25	35	20	25	6.06	+2.42	1.65	0	10	18	4	8	w.	Gustav Holtz.
Hamburg	Berks	535	41	67.2	+1.9	86	24	39	2	39	9.88	+5.83	2.83	0	9	9	7	14	w.	State Sanatorium.
Hanover	York	600	30	68.6	+1.0	85	4†	45	19	29	11.74	+8.66	2.41	0	15	13	5	12	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	67.5	+1.7	84	9	49	19	24	8.96	+5.91	2.99	0	14	8	11	11	e.	U. S. Weather Bureau.
Hawley	Wayne	900	16	62.2	+0.5	84	4	37	1	38	7.24	+3.88	2.26	0	15	17	6	7	e.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	70.2	+1.2	84	28	52	19	28	7.25	+4.74	1.45	0	14	12	5	13	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	66.2[b]	+1.6	88[b]	5	42[b]	1†	43[b]	8.92	+5.61	2.47	0	11	12	8	10	e.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	67.9	+2.5	93	10	40	1†	45	4.78	+1.81	2.65	0	12	11	6	13	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	3	62.4	......	85	24	31	28	42	3.87	....	1.64	0	10	13	5	12	se.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	67.5	+2.0	89	4	42	1	35	9.83	+6.47	2.80	0	12	10	13	7	se.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	64.8	+3.3	86	4	40	28	35	6.25	+3.24	1.45	0	10	14	10	6	......	C. P. Darling.
Lebanon	Lebanon	469	50	67.3	+1.7	86	9	43	19	30	9.41	+6.08	2.28	0	13	15	5	10	se.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	44	67.4	+2.6	86	4	42	28	32	7.46	+4.05	2.62	0	13	7	15	8	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	71.4[b]	......	85[b]	9†	50[b]	30	29[b]	4.93	....	2.50	0	14	11	5	14	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	66.4	+2.2	88	24	39	1	36	8.21	+4.21	2.28	0	13	13	5	12	w.	R. K. Wintermute.
Mifflin	Juniata	445	30	68.5	+4.0	90	4	44	1†	36	9.51	+6.03	3.86	0	13	13	6	11	se.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Mrs. Milton Smith
Mt. Pocono	Monroe	1,720	28	60.2	+1.8	79	24	35	28	32	11.00	+6.04	4.06	0	15	9	4	17	s.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	62.8[a]	+1.3	82[a]	4†	36[a]	28	34[a]	10.14	+6.29	2.54	0	12	14	6	10	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	67.4	+2.0	86	9	41	19†	36	11.63	+8.23	5.91	0	17	12	6	12	e.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	65.7	......	84	4	43	28	30	10.22	+6.75	3.52	0	12	10	9	11	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	70.8	+2.8	85	9	53	19	23	6.27	+3.13	2.13	0	15	6	8	16	e.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	69.8	......	86	9	50	19	29	6.35	....	1.93	0	15	6	11	13	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	70.2	+2.0	87	9	51	19	27	4.81	+1.66	1.30	0	11	4	10	16	......	Commandant. Navy Yard.
Phœnixville	Chester	100	24	69.5	+3.1	90	10	42	1	37	7.61	+4.36	3.63	0	11	12	12	6	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	64.6	+0.6	83	4†	35	20	40	9.93	+6.30	3.95	0	16	10	8	12	e.	John E. Benner.
Reading	Berks	514	64	67.3	+1.0	84	4	48	19	29	8.03	+4.82	3.62	0	13	8	8	14	se.	U. S. Weather Bureau.
Retreat	Luzerne	900	1	65.0	......	85	4	42	1	35	9.58	....	2.40	0	12	11	2	17	ne.	Theodore J. Sampson.
Scranton	Lackawanna	805	40	65.8	+2.9	85	9	43	28	33	4.40	+1.23	1.16	0	14	4	14	12	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	67.8	+3.0	93	24	43	19†	35	10.20	+6.68	4.35	0	14	10	11	9	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	69.5	+1.4	83	4†	47	1†	30	6.72	+3.44	1.96	0	16	8	9	13	s.	W. S. Guiles.
Shippensburg	Cumberland	660	1	67.0	......	84	3†	43	19	31	7 50	....	2.01	0	16	11	7	12	sw.	State Teachers College
State College	Center	1,217	50	64.4	+1.8	86	4	41	28	32	6.17	+3.11	1.97	0	12	9	10	11	e.	C. A. Kern.
Stroudsburg	Monroe	500	20	65.2	+2.8	86	24	41	19†	38	7.85	+4.96	2.50	0	12	14	6	10	sw.	State Normal School.
Towanda	Bradford	754	40	65.0	+2.7	85	4†	38	28	36	6.75	+3.60	1.97	0	11	8	11	11	e.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	62.1	+2.4	84	4	35	28	38	6.16	+3.00	2.18	0	11	13	6	11	nw.	George W. Hill.
West Chester	Chester	455	85	67.2	+1.7	82	10	48	19	23	6.66	+2.77	2.50	0	12	9	10	11	se.	Joseph W. Belt.
Williamsport	Lycoming	521	48	66.8	+2.4	88	4	44	28	31	8.88	+5.61	3.32	0	15	11	9	10	se.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	66.4	+2.0	84	4†	43	19	28	9.19	+4.89	3.30	0	13	11	8	11	se.	Susquehanna Collieries Co.
York	York	400	46	68.2	+2.0	86	4†	43	19	33	12.13	+8.82	3.62	0	15	13	7	10	n.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	68.7	+2.5	89	24†	40	28	42	2.41	−0.65	0.76	0	9	12	3	15	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	64.0	+3.9	90	26	32	28	44	3.33	0.00	1.32	0	10	15	10	5	......	Frank S. Fawcett.
Butler	Butler	1,077	21	64.8	+0.1	90	24†	36	28	44	3.77	+0.84	1.68	0	8	15	12	3	nw.	William C. Faust.
Chambersville	Indiana	1,047	4	66.2	+1.4	88	25†	35	28	44	6.29	+2.44	2.04	0	10	13	6	11	se.	John E. Lewis.
Clairton	Allegheny	1,020	2	66.4	......	90	23	37	28	37	4.09	....	1.70	0	10	9	10	11	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	68.8	+3.1	92	24	35	28	44	3.38	+0.17	1.73	0	13	21	3	6	w.	J. L. Melvin.
Corry	Erie	1,430	21	65.0	+4.7	90	25	37	20†	45	2.90	−1.08	0.73	0	10	12	11	7	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	67.6	+2.2	89	25	39	28	42	6.46	+3.35	1.91	0	9	11	9	10	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	63.2	+2.5	83	25	36	28	32	5.59	+2.08	2.09	0	10	15	7	8	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	61.4	+1.3	84	24†	36	28	39	5.87	+2.83	2.00	0	8	17	4	9	w.	J. S. Stevanus.
Franklin	Venango	957	60	66.7	+4.1	94	25	36	28	44	3.48	−0.10	1.87	0	11	7	12	11	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	67.1	+1.9	88	15	40	28	40	4.33	+1.12	1.76	0	8	11	15	4	sw.	Westmoreland Water Co.
Greenville	Mercer	950	38	67.5	+4.6	89	25	36	28	41	4.64	+1.17	1.15	0	11	11	13	6	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	64.5	+1.5	86	25	38	28	30	4.05	+0.49	1.68	0	12	10	11	9	s.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	67.6	+2.0	89	23†	42	28	41	5.29	+1.76	2.46	0	11	14	10	6	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	2	60.2	......	78	24	34	28	33	4.51	....	1.58	0	8	9	8	13	se.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	42	69.0	+3.1	87	15	44	28	38	5.49	+2.22	2.12	0	8	10	11	9	w	Westmoreland Water Co.
Meadville	Crawford	1,080	40	67.1	+5.4	88	24	38	28	40	3.37	−0.37	0.98	0	9	10	6	14	s.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	67.1	......	90	25	45	17†	32	5.10	....	1.90	0	9	16	4	10	nw.	Fred Hoffman.
New Castle	Lawrence	808	54	67.2	+3.0	92	25	40	28	37	3.18	+0.04	1.32	0	14	15	10	5	sw.	New Castle Water Co.
Newell	Fayette	800	14	68.2	+1.0	89	26	44	28	34	2.75	+0.10	1.35	0	8	16	13	1	se.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	68.4	+2.0	89	25	44	28	31	3.78	+1.20	1.99	0	11	8	16	6	se.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	64.8	+4.6	88	25	34	28	46	3.74	+0.55	1.12	0	10	11	7	12	se.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	21	66.5	+2.8	87	25†	43	19†	39	4.03	−1.19	1.78	0	7	16	10	4	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	62.4	+1.5	85	24	35	20†	41	4.22	+0.58	1.30	0	12	7	6	17	se.	D. L. Grove.
Uniontown	Fayette	1,100	46	68.8	+4.2	89	23†	41	28	39	3.47	+0.21	1.45	0	9	18	10	2	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	......	......	87[b]	2	43[c]	20	38[b]	5.26	+2.18	1.21	0	7	21	4	5	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	65.2	+3.3	85	26	39	28	32	4.34	+0.62	1.80	0	10	13	10	7	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	68.0	......	91	24†	41[b]	20	41[b]	4.20	....	1.40	0	7	2	20	8	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	67.6	+4.0	87	15	47	28	27	2.93	−0.46	1.02	0	12	10	10	10	s.	U. S. Weather Bureau.
For the State	......	......	....	66.4	+2.3	94	25	31	28	46	6.58	+3.12	5.91	0	12	12	8	10	se.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complet reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md:, of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; o Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for September, 1934

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
llentown‖	Lehigh				.37	T		.04	2.85	1.20					.09	1.01	.01	.84					.01	.01					.02	.02	3.71		10.19
ltoona	Juniata								.10				.03	.45	.48		2.24						.22				.03	.18		1.85	.35		5.93
nsonia‖‖	W. Br. Susq				.34				.43	.58					T.	.52	.47	.80					.07						.17	.52	.40		4.30
rdmore	Lower Del			.26	.05		.22	1.02	1.27		.02			.21	.03	.02	.76	.58					.12	.28			.02	T.		.13	1.20		6.19
rendtsville	Lower Susq				.66	.03		.01	.96	.42	.04			.46	1.50	.80	1.51	3.48					1.28				.01	.35		.57	2.01		14.09
aker's Summit	Juniata			.01	.32	.05			.19				.03	.41	.25		2.53						.43				.15	.09		1.14	.32		5.92
edford	Juniata			T	.13	.17		T.	.06				.40	.06	.27		3.00						.40				.30	.02		.73	.38		5.92
ellefonte***	W. Br. Susq			.11	.55	.07		.01	.64			T.	T.	.10	.35	.01	1.52					.02	.40					.22		2.12	.02		6.14
ethlehem	Lehigh			T.	.37			.22	3.89	.03				.02	.34	.93	.13	.56					.16	.06				.04		.81	3.24		10.80
loserville‡‡	Lower Susq				.52					.73			.30	.40	.20	.30	3 81						1.25					.15		1 85			9.51
uffalo Mills	Juniata					.21			.12					.05	.12	.05	1.18	1.72					.22					.11		.21	.95		4.94
arlisle	Lower Susq			T.	.90	.14		.26	.32	.06			.04	.58	.02	.23	2.03					T.	.52					.26		.95	.59		6.90
atawissa‡	N. Br. Susq			.25	2.80	.45		.12	.43					.05	1.43		3.28						.80					.06		1.60	.04		11.31
enter Hall	Susquehanna			.01	.35	.40		.01	.80					.08	.72	.10	2.33											.40		2.35	.07		7.62
hambersburg	Potomac			.03	.37	.33		.36	.51				1.87	.54	.18	.27	1.82					.02	.42					.11		1.45	.93		9.21
learfield	W. Br. Susq				T.				.06				.05	T.		.20	1.70	T.						1.20			.25	.40		1.20	.36		5.42
oatesville	Lower Del			.11	.20		.05	.62	1.84					.58	.22	.03	.90	.25				03	.40					.39			1.34		6.96
olebrook	Lower Susq			.06	.71			.60	.51				.02	.61	.48	.29	2.38	.38				T.	1.31					.25		*	4.03		11.63
onshohocken	Schuylkill			.02	.20		.04	1.71	1.74		.08			.10	.03		.08	.88					.10	.02	.16			.01		.05	1.14		6.36
resson‡	Juniata								.53				.14	.40	.33		1.70						.12				.15	.19		1.80	.45		5.81
oylestown	Lower Del			.03	.08		T.	.43	4.85	.01	T.			.02	.32	.08	.22	.89					.41		.01			29		.11	1.29		9.04
mporium	W. Br. Susq							.10	.45			T.	T.	T.	.09	.12	1.34						.05	.11		.02		.19		1.34	.09		8.90
phrata	Lower Susq			.11	.33			1.12	1.22	.01				.69	.72	.25	1.24	.28					2.67					.23		1.29	2.00		12.16
orest City	N. Br. Susq				.82	.20			1.27	.30					.45	.65	.05	.32	.04						.93					.46	.39		5.88
reeland‖‖	Lehigh				1.35	.06			1.33	.21	T.			.02	.02	.40	T.	1.42					.08	.25	T.	T.	.01		.20	.40	1.68		7.43
aleton	W. Br. Susq				.08				1.83						.06	.45	1.02	.02					.09					.10		.88	.05		4.58
eorge School	Lower Del			.04	.10		.05	1.52	4.25	.02				.08	.08	.02	.07	.48	.01	T.			.07	.07	.01	.01	T.	.32		.09	1.43		8.72
ettysburg	Potomac			.01	1.10	1.18		.71	.72	.02			.18	.63	.52	2.72	2.47	1.01				.08	.55	.02				.06		.93	2.22		15.13
irardville‖‖	Lower Susq			.98		.07		.74	.05					.08	.38	.01	1.70					.24	.56					.48		2 07			7.36
ordon	Lower Susq							.17	.68					.06	.28	.08	1.35	.65					1.26					.31	1.22		.80		6.86
ouldsboro‖	Lehigh				.51				1.25	.35					.23	.50	.26	1.25						.06						.50	1.15		6.06
raterford	Schuylkill			.02	.02		.01	.84	4.02					.21	.64		.41	.62					.02					.31		.09	1.64		8.85
amburg	Schuylkill			.45				.10	2.73					.20	.54		2.30						.53					.23		2.80			9.88
anover	Lower Susq			T.	1.29			1.13	.65	.06			.05	.56	.26	.76	1.86	1.06				.05	.31					.88		.41	2.41		11.74
arrisburg***	Lower Susq			.45	.49	.01		.65	.38	T.	T.		.16	.59	.30	.11	2.99		T.			T.	.48					.22		2.08	.05		8.96
awley‖‖	Upper Del				.35	.05			2.26	.86					.17	.97	T.	.92	.04	.03			.02	.02	.20				.15	.20	1.00		7.24
ollisterville	Upper Del				.44	T.			1.25	.64					.29	.52	.18	.52	.02				T.	.02	T.	T.				.04	1.20		5.12
oltwood‖	Lower Susq				.32		T.	1.30	.85	.25			.02	.32	.32	.03	1.00	1.45					.09					.18		.54	.58		7.25
untingdon	Juniata					.46			.40	.03			1.70	.04	.32		2.30						.42				T.	.35		2.47	.43		8 92
yndman	Potomac			.07	.06	.01			.19				.03		.15		2.65						.17				.12	.07		.73	.53		4.78
ylertown	W. B. Susq									.07			.05	T.	.26	.08	1.64						.18	.01				.12		1.28	.18		3.87
akeville‖‖	Upper Del				.23				1.98	.99	T.				.24	.74	.04	1.08	T.					.04	.19	T.			.10	.38	.82		6.83
ncaster	Lower Susq			.32				1.15	1.13	.06				.38	.32	.19	1.42						1.69					.12		.25	2.80		9.83
nsford‖‖	Lehigh				.74	T.			1.62	.41				.10	.10	.87		2.02					.11	.68					.16	.43	1.26		8.50
wrenceville	N. Br. Susq				.48	.15			.65							.38	1.45	1.43					.78					.50		.46	.10		6.25
ebanon	Lower Susq			.47				1.00	.02				.44	.18	.80	.03	1.76					.35	1.45					.13	.50	2.28			9.41
ock Haven	W. Br. Susq				.40	.69			.60	.18				.01	.70	.10	2.62	.01					.28					.17		1.48	.22		7.46
arcus Hook	Lower Del			*	.20		T.	.22	2.50					.72	.09	*	*	*					.06	.02	T.			.08		.02	1.02		4.93
atamoras‖‖	Upper Del				.46				1.03	1.78						1.49		1.10												.01	1.75		7.62
auch Chunk	Lehigh			.13	.47			.43	1.85					.07	.06	.70	1.73	.59					.26					.05		1.35	.52		8.21
ifflin	Juniata				.22	.52		.18	.71	.33			.18	.12	.55		3.86						.60					.43		1.41	.40		9.51
ontrose	N. Br. Susq				1.50	1.09				.59					.75	1.20	1.90						§					§		§	§		§
orris Run	N. Br. Susq				.80	.12			.66				.02		.08	.25	2.35	.31					.85					.23		.78	.18		6.63
ount Pocono	Upper Del				.93			.01	4.06	.03					.37	.40	1.00	2.32					.10	.10	.03		.03	.07		.55	1.00		11.00
uncy Valley	W. Br. Susq			T.	.85	.72			.41		.08		T.		.72	.30	1.68	1.08					1.11				T.	.24		2.54	.41		10.14
eshaminy‖‖	Lower Del			.09	.13		.02	1.81	5.91		.12			.10	.05	.02	.26	1.22					.13	.10	.01			.18		.10	1.38		11.63
ew Park	Lower Susq			.48				.63	1.24					.21	.34	.38	3.27					.21	T					.38		1.08			8.22
ewport‖‖	Juniata				.57	.32			.24	.45				.20	.58	.38	.30	2.00					.90						.23	.45	1.30		7.92
almerton‡	Lehigh			.26	.23			1.79	1.73					.04	1.09	.40	2.49						.25				T.	.09		1.78	.07		10.22
aupack‖‖	Upper Del				.35				2.20	.59					.25	.70									1.40					.32	1.14		6.95
hiladelphia***	Lower Del			.15	.04		.91	1.08	1.48		.06			.08	.05	T.	.34	.52					.11	.17			T.	.02		.39	.87		6.27
hiladelphia-Gtn	...do			.09	.21		.07	1.93	1.43		.10			.09	.04	T.	.20	.67					.10		.16		.01			.05	1.25		6.35
hila. Navy Yard‖‖	...do				.01	T.		1.30	.99	.50					.05	.09	T	.05	.14				T.	.37	T.				.17	T	1.14		4.81
hila-P'nt Breeze‡	Lower Del			T.	.18			1.18	1.36		.06			.07	.02	T.	*	.73					*	.35				.02		*	1.30		5.27
hoenixville	Schuylkill			T.	.25			.52	3.11				T.	.42	.22	T.	.12	.83					.12					.16		.08	1.78		7.61
ne Grove	Lower Susq			.30	.24			.25	.40	.25			.02	.25	.75	.38	1.25						.88					.04		1.96	.15		7.12
easant Mount	Upper Del				1.17	.22			1.86						*	*	3.72						.11					.17		*	2.34		9.59
ottstown	Schuylkill			.52	.15		.02	1.11	.52				T.	.14	.48	.11	1.05	.01				T.	.20	T.			T.	.13		3.50	.12		8.06
ottsville	Schuylkill			T.	1.00	.02		.07	1.08		T.			.22	.41	.35	1.12	.56					.89	T				.04		1.15	.54		7.45
uakertown	Lower Del			.07	.42		.03	.97	3.95	.02				T.	.37	.30	.32	.21					.47	.04			.01	.04		.92	1.79		9.93
eading***	Schuylkill			.51	.13		T.	1.09	.54				T.	.13	.46	.10	1.06	.02				T.	.19	T.			T.	.15		3.55	.10		8.03
enovo‖‖	W. Br. Susq						.23		.70	.43				.05		.18		.85					.15						.11		.46		3.16
etreat	N. Br. Susq				2.40	.21		.03	.83						.66	.23	.52	1.40					1.21					.08		1.90	.11		9 58
ranton***	...do			.03	.69	.12		.48	.68					T.	.42	.12	.61	.05	.01			T.	.06					.03		1.04	.06		4.40
linsgrove	Lower Susq			.03	.50	.58		.60	.42					.03	1 00	.14	2 20	2 15					.54					.65		1.11	.25		10.20
awmont	Schuylkill			.01	.24		.02	1.36	1.96	.10	.20			.22	.03		.04	1.09					.16		.09			.08		.06	1.06		6.72
ippensburg	Lower Susq			.01	.30	.37		.12	.48	.04			.16	.93	.21	.05	1.86	T.				.02	.61					.33		.90	1.11		7.50
ow Hill‡‡	Upper Del					.52			.06	2.90					*	*	*	3.70						.04	.04					1.88			9.14
ate College	W. Br. Susq				.25	.28			.42	T.			.10	.03	.51	.08	1.55						.46					.41		1.97	.11		6.17
roudsburg‖‖	Upper Del				.70	.15			2.50	.70					.04	1.66	.08	1.23						.09	.05					.05	.60		7.85
nbury	Lower Susq				1.56	.52		.06	.50	.04					.20	1.05	.02	4.77					.46	.01					.56	.48	1.02		11.25
owanda	N. Br. Susq				.80	.40		T	.47						.43	.49	1.97	.54	T.				.67					.14		.78	.07		6.75
eikert	Lower Susq																																......
ellsboro	W. Br. Susq				.35			T.	1.67	T.					.12	.30	2.18	.02					.30	.15				.05		.99	.03		6.16
est Chester	Lower Del			.08	.21		.05	.65	2.50					.57	.17		.52	.27					.29							.10	1.25		6.66
estgrove‖‖	...do				.27			.10	1.67	.86				.15	.35	.40		.98											.26	.05	1.10		6.19
ilkes-Barre‖‖	N. Br. Susq				1.10	.09			1.00	.35					.02	.91	T.	.96					.09	.47						.39	1.55		6.93
illiamsport‖‖	W. Br. Susq				.49	1.02			.39	.14	.01		.08	.02	.35	.22	.25	3.32					.97	T.					.25	.60	.77		8.88
illiamstown	Susquehanna			T.	1.71	.05		.10	.57					.53	.49	.17	1.10	2.20					.71					.24		.93	.39		9.19
ork	Lower Susq			.03	2.20			.77	.56	.05			T.	.49	.33	.43	2.43	.93				.02	.12					.15		1.53	2.09		12.13
ork Haven‖‖	Lower Susq				1.39				1.29	.07				.82	.17	1.20	.10	3.30					.40	.12					.37	.58	3.36		13.17
onsville..(near)	Schuylkill			.03	.56			.61	3.66	.04				.02	.52	.26	.76	.37					.21	.02				.02		.50	5.01		12.59
enton, N. J***	Lower Del			.29	.05		.28	.76	2.41	T.	T.			.01	.01	T.	.34	3.12					.21	1.36	.01			.18		.25	1.21		10.49

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Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio					T.			.33				.06		.37	.11	.06	.27											.06	.76	.39		2.41
Beaver Falls‖‖	Beaver					T.			.37				.09	.17	.04	.10	.04	.42						T.				T.	.11	.83	.33		2.59
Brookville	Allegheny													*	.09	.15	.48	.46						.08				.07	.34	1.32	.34		3.33
Butler	Ohio							.18					.25	.05	.37		1.24							T.							1.68		3.77
Chambersville	Allegheny				.04				.06				.41	.45	.93	1.00	.84											.21		2.04	.31		6.29
Clairton‡	Monongahela				T.				.09				.05	.40	.46	.17	.59										.08	.14		1.70	.41		4.09
Claysville	Ohio				.02				.01			T.	.06	.50	.12	.06	.17						.02	.02		.16		.05		1.73	.46		3.38
Clymer‡‡	Conemaugh			.08							.46	.18	1.20	.20			.92											.22	.72	1.85	.47		6.30
Confluence‖‖	Youghiogheny				.05				.05	.13					.04	.20	.54	.41									.13	.07	.33	.36	1.55		3.86
Corry	Allegheny				.03	.02			.10	.03				.57			.73						.53					.31		.40	.18		2.90
Derry	Conemaugh								.17				T.	.14	1.17	.07	.73										1.26	.72		1.91	.85		6.46
Donora‖‖	Monongahela		.05			T.			.05				.20	.58	.12	.01	.54	T.			T.							.11	T.	1.26	.67		3.59
Ebensburg	Conemaugh				T				.21				.05	.68	.33	.13	1.35	T.						.02				.12		2.09	.61		5.59
Elk Lick	Youghiogheny								.36				.06		.35		1.60										.63	.42		2.00	.45		5.87
Franklin‖‖	Allegheny		.09			.03			.23					.02	T.	.14	.23	.27						.08					.31	1.87	.21		3.48
Greensboro	Monongahela								.04	.04			.09	T.	.22	.03	.22	.62	.01								.03	.06	.24	.24	1.16		3.0
Greensburg	Youghiogheny				T.				.06			T	T.	.10	.73	.06	.63											.32		1.76	.67		4.8
Greenville	Beaver	.05	.08		T.			.15	.80				.15		.51	.36	.90											.31		1.15	.18		4.6
Grove City	....do	.51			T.				.72	T.			.03		.02	.09	.38	.01						.45			.02	.08		1.68	.06		4.0
Herrs Isl. Dam‖‖	Ohio		T.			T.			.47	T.			.01	T	.34	.34	.24	.61							.13			.24	.14	.78	1.33		4.6
Irwin	Monongahela	.08			T.	T.			.24			T	.07	.29	.92	.06	.66											.35		1.67	.71		5.0
Johnstown	Conemaugh			T	T.			T.	.04			T.	.01	.34	.58	.03	1.28						.01	.09		T.	T.	.17	T.	2.46	.28		5.2
Kane (near) ‡‡	Allegheny				T.				.36	.01			T.		T.	.05	1.58							.75				.22		1.44	.10		4.5
Kregar‖‖	Youghiogheny			T.	T.			.01	.08				T.	.47	.25	.27	.57										T.	.13	.47	2.47	.17		4.8
Lake Lynn‖‖	Monongahela					.02				.07					2.45	.04	.20	.84	.02									.10	.01	.12	1.18		5.0
Linesville‖‖	Beaver		.19						.77	.18					.25	.04	.78	.08					.19						.24	.69	.18		3.5
Lock No 2‖‖	Ohio					T.			.27				.10	.09	.63	.92	.32	.44						.07				.01	.11	.81	.71		4.4
Lock No. 4‖‖	Monongahela		.05						.03	.03					.20	.11	.16	.36	.01									.10		.65	1.50		3.2
Lock No. 5‡‡‖‖	Allegheny					T.			.01	T.			T.	.06	1.17	.81	.33	.71	T.					.01				.27	.08	1.01	.62		5.0
Lycippus	Conemaugh				T.				.45	T.				.26	.39		.90										.65	.08		2.12	.64		5.4
McKeesport‖‖	Monongahela		T.						.04				.05		1.07	.13	.05	.51										.06	.15	.75	1.16		3.9
Meadville	Allegheny		.10		T.				.98				.22		.13	.20	.55											.20		.83	.16		3.3
Mosgrove	....do		T.						.02	.12			.12	.10	.28	1.05	.07	.57										.37	.05	.98	.42		4.1
Mount Lebanon	Ohio				T.				.17			T.	T.	.17	.34	.19	1.15						T.	T.			.47	.40		1.90	.31		5.1
Natrona‖‖	Allegheny		.01			T.			.06				T	.04	.97	.25	.22	.85										.12	.11	1.11	1.09		4.8
New Castle‖‖	Beaver								.46	.02			.04	.01		.11	.78	.03		.01	.01			.08				.16	.02	1.32	.13		3.1
Newell	Monongahela		.03						.07					.15			.30						.05				.12		T.	1.35	.68		2.7
Parkers Landing‖‖	Allegheny		.18			T.			.08	T.				.53	.16	.06	.25	1.24										T.	1.52	.95	.25		5.2
Pennline‖‖‡‡	Beaver		.20			.05			1.35					.06			.63	.33					.18					.22		.60	.15		3.7
Pittsburgh***	Ohio	T.			T.				.07			T.	.01	.15	.33	.19	.78	T.						.01			.05	.12		1.81	.26		3.7
Punxsutawney‖‖	Allegheny													.19	.43	.20	.47	.48											.27	.66	.61		3.3
Ridgway	....do					T.			.03	.28				.04		.05	.13	.60						1.04					.15	1.12	.30		3.7
Saltsburg‖‖	Conemaugh	.02							.08	.11				.26	1.87	.39	.09	.43						.02				.10	.23	.75	1.34		5.6
Sharon‖‖	Beaver					T.			1.09							.60	.26											.21	.02	1.78	.07		4.0
Smethport	Allegheny								.10	1.32			.10		.15		.05	.80						.65			.53	T.	.38	1.02	.20		5.2
Somerset	Youghiogheny				.07	.01			.08				.22	.17	.09		1.30	T								.26	.30	.24		1.20	.28		4.2
Springdale‖‖	Allegheny		.01						.05						1.00	.12	.28	.49									T.	.10	.46	.75			3.2
Uniontown	Monongahela								.04				T.	.05	.12		1.00	.01	.01									.34		1.45	.45		3.4
Unity Reservoir‡‡	Youghiogheny								.22					.37	.62	.07	.75											.19		1.88	.70		4.8
Vandergrift‡	Conemaugh													.72	1.21									1.09				.19	*	*	2.05		5.2
Warren	Allegheny								.30	.32			.01	.55			1.80						.14	.04				.62		.54	.02		4.3
Waynesburg	Monongahela													.26		.14	.49										1.12	.48		1.40	.31		4.2
Westford‖‖	Beaver	.22			.01			1.03					.20	.01	.75	.64	.22											.20	.97	.10	.05		4.4
West Newton‖‖	Youghiogheny												.13		.85	.14	.23	.35										.11		.80	1.36		3.9
Lake Drainage.																																	
Erie***	Lake Erie	.02	.02		T.	.09	T.	.12	.55				.03			.57	.45						.37					.22		.22	.27		2.9

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level) Mean	Highest.	Date	Lowest	Date	† Wind Average hourly velocity	Maximum* velocity	Direction	Date	Relative humidity 8 a. m.	12 noon	8 p. m.	Percentage of sunshine
Erie	30.04	30.30	23	29.68	4	12.0	30	s.	1	83	69	74	58
Harrisburg	30.08	30.47	1	29.75	16	6.0	20	w.	27	87	67	73	50
Philadelphia	30.10	30.48	1	29.79	4	10.3	36	ne.	8	81	66	76	45
Pittsburgh	30.06	30.33	1	29.75	4	7.4	30	nw.	27	87	64	67	59
Reading	29.96	30.48	1	29.76	4	10.3	35	e.	8	87	69	77	44
Scranton	30.10	30.48	1	29.75	4	5.4	20	sw.	27	86	64	74	51

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.4	6.6	18	1.7	3	18
Phillipsburg	Delaware	3.1	9.8	18	0.8	6	22
Mauch Chunk	Lehigh	2.7	6.5	17	1.2	7	17
Wilkes-Barre	Susquehanna	3.7	10.3	18	1.4	2	20
Williamsport	Susquehanna	1.5	6.1	17	0.4	3	20
Harrisburg	Susquehanna	4.3	8.4	18	3.2	2	17
Greensboro	Monongahela	10.4	14.2	30	10.0	15	30
West Newton	Youghiogheny	0.3	2.1	30	0.1	7	20
Lock No. 4	Monongahela	10.8	13.5	30	10.6	7	30
Pittsburgh	Ohio		13.4	30	9.5	6	25
Beaver Dam	Ohio		10.9	30	9.0	24	30

e—Pool stage.

Daily Temperatures for September, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
llentown	Maximum	75	73	74	84	77	78	72	67	81	83	80	74	64	66	72	72	71	62	70	76	74	77	80	82	78	79	81	68	70	72	....	74.4
	Minimum	45	47	49	61	65	52	56	66	61	64	54	56	62	59	60	66	60	52	49	45	46	54	67	65	66	61	62	45	47	55	....	56.5
ltoona	Maximum	72	77	76	86	75	78	70	71	82	83	82	73	67	64	78	74	65	62	75	74	74	74	70	80	79	75	74	68	68	67	....	73.8
	Minimum	45	47	48	63	54	46	53	62	55	55	51	56	60	60	62	65	45	48	43	44	56	61	58	56	57	57	58	37	49	59	....	53.7
edford	Maximum	76	81	81	84	78	80	77	78	86	83	84	79	68	71	83	74	69	65	74	78	76	76	80	82	79	81	80	71	70	70	....	77.1
	Minimum	42	46	46	64	54	47	59	64	59	58	53	59	63	63	62	67	48	49	49	46	53	63	60	61	60	60	61	42	54	62	....	55.8
ellefonte	Maximum	71	77	76	82	73	75	69	70	80	79	79	71	65	67	79	71	65	60	71	75	72	74	80	81	80	76	75	67	68	68	....	73.2
	Minimum	51	51	47	62	51	45	62	62	62	54	51	57	62	60	65	58	52	43	39	44	57	60	59	60	59	58	46	39	51	49	....	53.5
rookville	Maximum	73	75	82	86	84	77	83	78	81	83	82	84	81	76	74	87	78	60	68	77	82	80	85	88	85	90	88	72	70	78	....	79.6
	Minimum	42	43	40	53	50	41	50	53	49	45	41	48	57	62	68	54	40	45	39	33	41	54	55	58	52	54	58	32	35	56	....	48.3
utler	Maximum	78	77	75	70	75	81	80	79	78	76	82	82	80	80	83	83	58	65	72	82	81	87	86	90	90	89	87	67	65	60	....	77.9
	Minimum	50	50	45	47	50	54	54	62	50	62	42	50	60	62	60	45	47	51	45	38	52	54	55	57	58	60	56	36	49	52	....	51.7
arlisle	Maximum	78	82	74	87	80	81	75	75	86	85	84	80	70	68	83	80	72	72	75	80	75	81	83	85	83	84	84	72	66	77	....	78.6
	Minimum	42	50	60	67	58	48	60	63	64	64	55	64	61	60	66	66	58	58	44	46	54	63	63	60	62	59	61	44	52	63	....	57.8
atawissa	Maximum	78	83	79	85	78	81	77	75	86	82	84	81	70	69	83	73	72	59	73	80	72	76	83	85	81	80	83	70	69	72	....	77.3
	Minimum	46	49	50	66	57	50	58	66	63	61	52	59	63	58	65	67	57	50	44	47	52	49	62	62	64	60	60	43	50	62	....	56.4
hambersburg	Maximum	77	82	71	87	77	81	73	71	86	85	86	73	67	70	78	76	72	64	76	79	76	80	82	85	83	79	84	74	69	75	....	77.3
	Minimum	45	46	50	65	58	50	60	64	64	66	56	63	61	61	61	63	54	50	43	48	55	62	63	59	61	61	64	45	54	60	....	57.1
hambersville	Maximum	77	85	81	84	77	81	78	76	83	83	83	82	72	76	87	77	65	66	74	82	77	86	85	81	88	88	88	79	70	72	....	79.4
	Minimum	52	52	52	60	51	46	56	61	51	52	47	59	62	62	62	60	42	49	40	39	56	61	59	52	59	58	54	35	51	54	....	53.1
laysville	Maximum	86	88	88	82	80	84	83	84	85	86	86	89	85	81	88	82	67	71	78	86	85	88	88	92	89	89	85	74	71	68	....	82.9
	Minimum	57	57	49	60	53	46	52	63	65	52	51	62	63	64	65	61	40	41	40	42	54	60	57	58	60	64	61	35	52	58	....	54.7
learfield	Maximum	78	82	80	86	79	81	72	73	76	83	81	74	74	78	71	67	75	67	79	81	79	82	82	86	86	84	74	72	65	69	....	77.2
	Minimum	45	42	43	64	44	45	65	53	55	56	58	55	60	64	60	55	60	44	46	42	48	56	60	59	57	58	48	38	42	46	....	52.3
oatesville	Maximum	77	79	71	86	78	80	74	72	72	90	83	81	68	70	82	74	73	66	70	79	75	83	77	83	79	80	83	70	75	76	....	76.9
	Minimum	43	42	57	67	61	62	64	65	62	62	57	61	62	59	66	67	59	52	45	46	51	64	67	66	66	61	62	46	49	61	....	58.1
orry	Maximum	68	86	85	70	77	81	75	79	81	81	80	83	79	78	89	74	61	68	76	82	85	80	85	87	90	86	64	68	62	59	....	77.3
	Minimum	53	50	58	54	52	53	55	60	55	52	43	59	60	61	63	49	46	49	38	37	55	55	58	57	59	62	53	37	51	49	....	52.8
mporium	Maximum	73	79	77	83	72	76	68	73	78	76	77	73	70	68	80	72	63	62	69	75	73	76	76	81	81	80	74	67	70	64	....	73.5
	Minimum	43	50	49	67	57	48	53	62	63	55	49	58	63	63	64	60	50	50	43	46	50	63	63	61	60	61	52	40	45	52	....	54.7
rie	Maximum	80	85	84	77	77	70	66	74	74	73	77	81	81	80	87	72	59	62	69	80	85	81	74	82	84	86	73	67	63	61	....	75.5
	Minimum	62	64	61	57	56	62	59	59	63	60	57	65	66	66	68	58	55	52	47	53	64	64	65	64	68	69	51	47	56	49	....	59.6
ranklin	Maximum	81	84	85	83	82	83	79	80	85	84	86	84	82	77	88	73	64	74	80	85	84	86	89	91	94	90	72	70	69	63	...	80.9
	Minimum	52	55	49	49	49	48	53	57	58	53	49	50	60	61	63	64	47	51	43	41	42	54	58	58	59	60	63	36	38	56	..	52.5
reeland	Maximum	70	74	73	79	72	75	73	65	77	75	74	73	63	60	71	67	67	55	63	73	70	69	75	77	79	76	76	65	65	66	....	70.6
	Minimum	47	48	53	62	52	55	58	61	59	64	56	57	55	53	60	59	49	45	42	49	51	58	61	62	62	61	60	41	50	51	....	54.7
ettysburg	Maximum	77	80	74	84	80	80	72	73	84	86	85	77	68	72	81	77	72	67	74	78	71	82	79	82	82	82	83	72	71	73	....	77.3
	Minimum	45	48	52	66	59	51	67	65	61	68	58	66	61	64	67	67	57	50	45	50	56	62	66	62	63	63	65	47	56	64	....	59.0
reensburg	Maximum	80	85	84	80	78	82	81	77	84	81	80	84	74	81	88	76	64	66	74	82	78	86	83	85	86	83	75	71	70	68	....	78.9
	Minimum	54	45	53	61	55	48	57	63	57	54	51	60	65	64	64	60	46	48	44	44	58	60	59	60	62	59	59	40	53	55	.. .	55.3
rove City	Maximum	72	74	78	78	72	77	77	73	74	73	75	74	71	71	77	78	58	66	71	75	75	74	77	84	86	83	75	62	67	66	....	73.8
	Minimum	55	58	53	60	51	52	54	61	55	50	53	62	61	61	63	56	47	50	41	48	58	60	60	61	63	64	57	38	53	51	....	55.2
amburg	Maximum	75	78	70	85	83	80	79	72	82	84	83	80	75	68	80	76	75	70	73	78	73	73	80	86	84	80	80	78	74	75	....	77.6
	Minimum	43	39	46	58	61	47	64	66	59	60	51	58	60	62	63	66	59	48	43	43	51	61	62	63	66	60	59	62	63	60	....	56.8
arrisburg	Maximum	74	76	71	84	76	77	70	72	84	83	82	78	65	68	80	74	70	63	71	76	68	79	79	81	80	80	80	70	71	72	....	75.1
	Minimum	53	52	55	67	59	54	64	67	64	63	59	64	62	60	67	67	57	52	49	52	56	64	67	64	67	66	60	53	54	60	....	59.9
awley	Maximum	73	77	73	84	78	76	76	66	79	79	79	71	65	61	65	69	67	60	60	76	71	68	79	79	76	79	80	67	66	66	....	72.2
	Minimum	37	42	44	63	58	44	57	62	56	55	44	50	56	54	59	62	53	49	47	38	45	58	62	63	61	57	53	38	38	57	....	52.1
untingdon	Maximum	76	82	....	....	88	80	71	77	85	84	84	72	67	67	83	76	70	66	75	78	75	79	82	84	83	75	82	72	69	71	....	76.9[b]
	Minimum	42	45	....	....	45	50	54	64	64	60	54	58	63	61	65	67	51	51	44	49	52	63	63	63	62	61	52	42	50	55	....	55.4[b]
ohnstown	Maximum	80	84	80	88	78	82	79	81	85	85	82	82	69	73	86	75	63	68	76	84	80	85	89	89	88	87	78	76	70	75	....	79.9
	Minimum	46	51	46	63	58	47	56	63	56	58	53	59	64	64	64	62	48	50	45	43	53	64	60	61	59	61	57	42	53	53	....	55.3
ancaster	Maximum	74	78	79	89	87	80	75	72	82	83	85	82	74	70	82	78	76	72	68	80	73	73	80	85	83	82	84	73	73	79	....	78.4
	Minimum	42	44	50	67	60	49	65	65	60	62	56	59	62	61	65	65	59	50	43	45	52	63	64	65	65	60	61	45	45	49	....	56.6
awrenceville	Maximum	74	84	80	86	80	78	73	70	80	78	79	76	74	68	78	73	65	60	73	79	72	78	78	83	84	85	78	70	68	66	....	75.7
	Minimum	43	53	46	65	55	47	51	50	60	57	50	55	62	59	63	55	54	50	42	44	48	60	60	62	59	61	60	40	48	55	....	53.8
ebanon	Maximum	76	73	74	82	78	80	70	72	86	85	83	80	65	68	81	74	70	65	73	78	71	75	80	84	83	82	84	71	71	72	....	76.2
	Minimum	47	59	56	61	62	51	59	66	63	65	56	63	62	59	61	66	60	53	43	48	56	59	64	64	67	63	64	45	53	56	....	58.4
arcus Hook	Maximum	79	80	83	83	79	79	....	....	85	85	82	79	73	79	80	77	75	71	79	75	78	79	82	82	82	84	82	82	83	77	....	79.8[b]
	Minimum	60	62	70	69	61	69	....	....	72	64	65	64	63	67	67	64	55	52	53	57	62	70	70	69	63	64	53	56	69	50	....	62.9[b]
eadville	Maximum	81	86	84	82	79	77	76	80	80	81	80	81	80	76	82	70	62	67	85	81	85	84	84	88	87	87	84	66	64	62	....	78.4
	Minimum	57	59	56	61	53	57	57	62	57	56	51	62	63	63	65	58	50	52	40	41	57	62	56	58	62	62	56	38	51	52	....	55.8
ifflin	Maximum	77	82	83	90	87	81	80	71	87	88	85	81	70	68	83	82	73	71	78	81	78	82	83	86	86	84	84	75	75	73	....	80.1
	Minimum	44	46	47	61	51	49	57	65	61	61	55	61	61	60	65	65	57	53	44	48	53	62	63	65	62	62	62	53	51	62	....	56.9
ontrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
uncy Valley	Maximum	72	....	78	82	75	76	74	71	80	80	79	77	70	63	75	73	68	59	70	74	72	77	80	82	79	74	71	67	63	69	....	73.4[a]
	Minimum	41	....	46	65	54	44	49	62	56	56	46	56	61	56	61	64	53	50	39	40	48	57	55	56	57	55	57	36	45	52	....	52.3[a]
hiladelphia	Maximum	79	81	73	83	78	75	79	75	85	84	83	79	70	72	81	77	76	66	71	77	76	80	78	84	76	82	85	70	79	76	....	77.7
	Minimum	58	58	62	70	68	66	68	69	66	72	67	65	65	64	67	68	59	56	53	56	59	67	69	70	68	64	64	58	60	63	....	64.0
ittsburgh	Maximum	80	84	82	77	75	80	82	80	80	81	80	83	74	80	84	73	62	66	73	80	78	83	84	89	89	85	72	69	70	65	....	78.0
	Minimum	59	61	58	58	57	56	59	64	60	58	58	66	66	66	68	55	51	50	50	49	62	64	62	64	67	68	53	44	59	49	....	58.7
uakertown	Maximum	73	76	72	83	79	76	73	68	82	83	79	75	69	67	78	75	72	62	67	75	72	75	78	81	76	78	80	70	71	73	....	74.6
	Minimum	37	39	50	62	63	47	63	65	59	61	51	58	60	58	64	55	59	59	41	35	50	63	62	63	64	58	60	42	46	44	....	54.6
eading	Maximum	74	77	72	84	76	77	71	72	82	83	82	76	64	67	80	73	69	62	72	78	72	76	78	83	80	79	81	68	73	72	....	75.1
	Minimum	49	50	60	70	63	55	64	66	64	67	59	63	59	58	65	66	54	51	48	49	55	64	68	67	67	65	58	50	54	58	....	59.5
idgway	Maximum	76	85	83	85	78	81	71	73	81	82	83	80	74	69	86	71	66	66	75	84	79	85	83	87	88	87	73	71	72	67	....	78.0
	Minimum	47	50	44	62	55	43	52	62	56	49	44	54	62	62	61	66	43	48	39	38	41	61	57	57	55	56	60	34	38	56	....	51.7
cranton	Maximum	74	80	77	84	75	78	79	68	85	78	77	75	67	66	75	73	65	61	67	78	76	73	80	82	83	80	80	69	68	68	....	74.7
	Minimum	46	51	52	68	56	50	61	66	63	58	51	64	61	58	65	64	54	53	50	45	53	64	67	65	65	61	55	43	49	52	....	57.0
elinsgrove	Maximum	75	80	80	85	85	84	80	74	80	83	82	79	72	67	82	74	72	66	73	77	77	81	82	93	83	81	80	73	68	74	....	78.1
	Minimum	45	49	50	50	54	66	67	65	62	60	54	59	63	58	65	67	57	52	43	48	52	62	63	60	61	61	63	43	61	62	....	57.4
omerset	Maximum	72	77	73	80	73	74	72	74	80	79	78	78	67	75	80	73	60	61	71	76	75	83	83	85	84	82	72	73	70	65	....	74.8
	Minimum	41	57	40	54	54	44	49	60	49	50	42	54	62	62	55	59	41	41	36	35	47	55	55	54	50	55	58	35	54	55	....	50.1
tate College	Maximum	72	79	77	86	74	77	69	73	81	80	80	70	68	65	80	74	65	61	71	76	74	76	78	81	80	75	74	68	67	68	....	74.0
	Minimum	50	52	48	64	55	47	50	62	61	57	52	58	60	58	62	62	50	49	42	44	55	58	60	59	53	57	62	41	54	56	....	54.8
troudsburg	Maximum	70	75	78	84	78	79	74	69	84	82	81	77	64	64	73	74	68	66	69	79	75	75	82	86	81	81	78	69	74	72	....	75.4
	Minimum	58	54	60	60	62	48	57	65	61	59	48	51	55	58	59	64	59	48	41	41	44	49	66	65	65	59	56	41	44	50	....	55.0
owanda	Maximum	77	84	84	85	75	80	76	70	82	79	80	76	68	66	78	71	68	59	70	79	79	76	81	83	85	85	77	69	68	67	....	75.9
	Minimum	41	52	48	61	54	49	50	65	60	58	49	56	62	56	62	66	53	48	44	45	50	61	64	61	59	59	52	38	47	53	....	54.1
niontown	Maximum	83	86	85	81	77	82	82	80	82	85	88	85	77	84	86	79	66	68	76	84	80	87	89	88	88	89	76	76	72	73	....	81.0
	Minimum	55	55	55	62	55	47	57	65	57	56	52	63	68	68	63	63	46	46	45	45	56	60	58	62	60	61	63	41	56	60	....	56.7
andergrift	Maximum	78	87	82	77	78	80	83	79	86	84	82	83	73	77	84	73	65	68	74	81	76	....	....	....	....	....	....	....	....	71	....	......
	Minimum	52	54	48	60	54	49	58	63	58	56	54	62	64	65	64	54	49	49	48	43	55	....	65	61	61	61	46	....	....	50	....	55.7[c]
arren	Maximum	70	76	83	78	78	73	74	73	79	77	79	75	77	75	76	72	68	64	68	69	74	78	80	84	84	85	80	61	64	60	....	74.5
	Minimum	56	58	55	66	58	55	56	63	59	54	47	61	61	63	64	66	53	49	45	48	51	64	58	60	61	62	60	39	45	42	....	56.0
aynesburg	Maximum	82	88	85	79	77	81	87	82	83	83	85	84	80	84	88	79	66	70	76	82	87	86	89	91	91	87	82	75	71	71	....	81.7
	Minimum	56	55	47	56	54	45	56	63	55	53	51	62	65	62	63	60	44	45	43	41	53	65	58	56	64	....	....	44	43	58	....	54.2[b]
ellsboro	Maximum	73	80	77	84	77	77	69	68	80	79	77	75	67	65	75	68	66	52	77	70	70	78	78	83	83	79	74	67	68	63	....	73.3
	Minimum	40	48	41	64	52	42	48	59	57	54	45	55	60	56	60	65	48	47	39	40	45	57	55	58	54	55	54	35	44	49	....	50.9
illiamsport	Maximum	75	80	80	88	79	78	75	70	83	82	83	78	71	64	80	78	71	62	75	78	74	79	83	84	83	78	77	71	66	70	....	76.5
	Minimum	47	53	49	67	56	51	56	66	65	61	52	59	63	57	64	66	56	53	45	47	53	61	65	61	63	63	63	44	51	60	....	57.2
illiamstown	Maximum	75	78	75	84	83	77	71	69	84	84	82	79	70	63	79	79	79	68	71	78	75	76	79	82	83	82	80	71	68	68	....	76.5
	Minimum	49	51	55	57	55	54	56	61	61	64	58	60	56	54	60	62	53	49	43	51	54	59	63	62	63	60	62	45	53	59	....	56.3
ork	Maximum	76	79	77	86	82	79	71	73	86	84	84	79	71	72	83	77	73	69	72	80	74	79	79	82	83	84	84	73	73	73	....	77.9
	Minimum	44	48	52	68	59	51	64	66	62	65	57	65	61	62	67	67	61	52	43	47	51	64	65	64	64	62	65	45	55	61	....	58.6

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ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

ol. XXXIX. October, 1934. No. 10.

GENERAL SUMMARY.

October was a pleasant month until near its close, and was vorable for all kinds of outdoor work and outdoor pursuits. here were no unusual temperature extremes, and in most places ere were only five or six days with precipitation of conse- ience. In fact, most of the precipitation occurred on five ites: namely, the 6th, 22d, 26th, 27th, and 28th. The last ree dates constituted a rather disagreeable, stormy period, in hich the rainfall was moderately heavy in the eastern, and nsiderable snow fell in the western portion of the State. The owfall was heaviest in a few northwestern counties and in merset County, the greatest amounts being from six to seven ches in Warren and the eastern portions of Erie and Crawford ounties. There was scarcely any measurable quantity of snow the eastern half of the State outside of Luzerne and Monroe ounties. Precipitation, in general, was less than one-half of e October normal. Temperatures followed the usual October end quite closely, with the first general freeze about the mid- e of the month. Many kinds of truck crops were available in e fields up to that time, and pastures were unusually good. ne shortage of precipitation in most places increased the ac- mulated deficiency for the year. At Erie the accumulated ficiency for the ten months is 11.42 inches; at Pittsburgh it 3.31 inches; at Scranton 1.97 inches; at Philadelphia 1.17 ches; while Harrisburg shows an accumulated excess of 2.53 ches. The surface water supply diminished considerably dur- g the month, but, as a rule, the late crops did not suffer from e shortage of moisture. The winter grains were looking good the end of the month with the exception that some fields ere short, due to late seeding. It is believed that most of the nter grains will become well established before the ground eezes to any extent. Potatoes were mostly dug by the middle the month, and corn husking was nearly finished at its close. uring the last week the farmers were generally engaged in owing or in hauling fodder from the fields. There were no maging storms of any character, and, in general, the month ed up to its reputation for fine weather. Heavier rains will needed to replenish the surface water supply before winter oses in.

TEMPERATURE.

The mean temperature for the State, as shown by the reports om 90 stations, was 51.8°, a deficiency of 0.6° as compared with the October normal. The highest monthly mean was 57.0°, at Marcus Hook, and the lowest, 43.2°, at Gouldsboro. Extremes for the month ranged from a maximum of 84° at Uniontown and Claysville on the 9th, to a minimum of 11° at Corry on the 20th. The greatest daily range in temperature was 60° at Brookville on the 20th.

PRECIPITATION.

The average precipitation for the State, as determined by the reports of 141 well-distributed stations, was 1.46 inches, which is 1.80 inches below the normal for the month. The greatest monthly amount was 3.15 inches, at Renovo, while the least, 0.51 inch, was reported from Sharon. The greatest amount reported in any 24 consecutive hours was 1.62 inches, at Neshaminy Falls on the 5-6th. The average snowfall for the State was 0.6 inch, which is 0.4 inch above the normal for October. The greatest amount for the month was 7.2 inches, reported at Corry. The greatest 24-hour snowfall was 3.4 inches at Somerset on the 28th.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	46.3	−6.1	74	19	4.02	+0.76	9.18	2.04	T	16	9	6	16
1889	47.3	−5.1	83	13	3.85	+0.59	8.61	1.88	0.2	10	8	9	14
1890	50.9	−1.5	81	21	5.87	+2.61	8.41	4.03	0.3	15	6	8	17
1891	50.6	−1.8	91	15	3.06	−0.20	4.46	0.84	T.	8	11	9	11
1892	50.8	−1.6	83	16	0.72	−2.54	2.93	0.00	T.	6	13	11	7
1893	53.0	+0.6	91	17	3.26	0.00	6.58	1.18	T.	8	14	8	9
1894	53.6	+1.2	88	24	4.26	+1.00	7.66	0.65	T.	9	12	8	11
1895	47.3	−5.1	76	17	1.99	−1.27	4.63	0.45	0.3	5	17	8	6
1896	48.9	−3.5	86	18	3.19	−0.07	5.70	0.94	T.	9	11	8	12
1897	54.2	+1.8	95	16	1.32	−1.94	5.93	T.	T.	5	14	8	9
1898	53.8	+1.4	92	20	5.20	+1.94	8.62	2.36	T.	12	11	7	13
1899	54.6	+2.2	94	15	1.55	−1.71	3.81	0.53	0	6	13	8	10
1900	58.6	+6.2	95	19	2.74	−0.52	5.10	0.80	0	8	11	9	11
1901	52.2	−0.2	83	20	1.23	−2.03	3.35	0.23	T.	5	16	10	5
1902	53.1	+0.7	89	19	4.64	+1.38	8.12	1.65	0.1	9	12	9	10
1903	53.4	+1.0	91	20	4.64	+1.38	10.53	2.07	0.1	9	12	8	11
1904	50.6	−1.8	91	12	2.87	−0.39	7.11	1.26	T.	7	15	8	8
1905	53.2	+0.8	90	16	4.23	+0.97	7.06	2.18	T.	9	14	7	10
1906	52.0	−0.4	87	14	4.46	+1.20	8.39	1.97	1.1	14	7	7	17
1907	48.2	−4.2	87	13	3.16	−0.10	5.64	1.01	T.	7	16	8	7
1908	54.6	+2.2	93	19	1.95	−1.31	5.48	0.08	T.	6	16	7	8
1909	48.4	−4.0	87	15	2.27	−0.99	4.60	0.70	T.	7	13	7	11
1910	55.6	+3.2	91	14	1.91	−1.35	5.23	0.62	0.5	7	16	8	7
1911	52.3	−0.1	83	18	4.83	+1.57	9.23	2.59	T.	11	11	7	13
1912	54.2	+1.8	90	23	2.74	−0.52	5.27	0.90	T.	7	15	7	9
1913	54.9	+2.5	88	16	5.44	+2.18	9.62	3.15	0.2	13	10	6	15
1914	56.4	+4.0	91	11	2.35	−0.91	4.37	0.89	T.	9	11	9	11
1915	54.2	+1.8	85	17	2.65	−0.61	5.33	1.00	T	8	15	7	9
1916	52.1	−0.3	92	16	2.25	−1.01	4.45	0.76	T.	6	18	7	6
1917	47.2	−5.2	84	12	6.38	+3.12	9.80	3.33	1.7	13	10	10	11
1918	55.5	+3.1	85	19	3.17	−0.09	5.75	0.44	0	10	15	8	8
1919	57.5	+5.1	92	21	4.77	+1.51	8.04	2.28	0	17	9	8	14
1920	57.5	+5.1	88	22	1.67	−1.59	4.67	0.50	T.	5	19	7	5
1921	52.6	+0.2	84	18	2.16	−1.10	6.55	0.40	0	8	17	7	7
1922	54.8	+2.4	94	12	2.51	−0.75	5.60	0.65	T.	7	18	6	7
1923	51.0	−1.4	87	12	2.38	−0.88	6.01	0.90	T.	8	15	8	8
1924	52.9	+0.5	87	14	0.28	−2.98	2.30	0.00	0	2	21	7	3
1925	46.1	−6.3	83	9	4.83	+1.57	8.90	2.02	3.8	15	6	8	17
1926	51.9	−0.5	90	16	4.51	+1.25	7.98	2.56	0.2	14	10	9	12
1927	55.6	+3.2	99	21	6.40	+3.14	11.91	1.58	0.1	9	17	5	9
1928	55.1	+2.7	91	15	1.78	−1.48	5.24	0.43	0.1	8	14	8	9
1929	50.6	−1.8	85	14	5.59	+2.33	10.40	1.65	T.	9	12	8	11
1930	50.8	−1.6	93	9	0.99	−2.27	3.33	0.11	0.2	6	15	7	9
1931	55.7	+3.3	93	20	1.83	−1.43	4.30	0.20	T.	9	15	8	8
1932	53.8	+1.4	86	20	5.31	+2.05	11.90	1.78	T.	11	10	7	14
1933	51.6	−0.8	90	11	1.91	−1.35	3.80	0.83	T.	8	16	9	6
1934	51.8	−0.6	84	11	1.46	−1.80	3.15	0.51	0.6	6	17	7	7
Period	52.4	....	99	9	3.26	....	11.91	0.00	0.2	9	18	8	10

B. Philad nia 11-'6 4

Climatological Data for October, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	51.2	−1.8	72	3†	30	20†	34	1.82	−1.52	1.08	T.	6	20	6	5	ne.	John A. Frick.
Altoona	Blair	1,615	47	51.8	−0.3	80	17	21	14	40	1.13	−1.54	0.60	0.2	6	21	3	7	w.	F. E. Rooney.
Ardmore	Montgomery	350	2	52.8	−2.4	78	11	29	29	36	1.69	−1.23	1.31	T	6	14	6	11	......	H. G. Balderston.
Arendtsville	Adams	700	12	52.8	−1.8	79	11	25	30	37	0.53	−2.83	0.27	0	4	23	2	6	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	52.6	....	78	17	22	14	52	1.02	....	0.54	T.	5	20	4	7	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	49.2	−3.8	77	16	21	20	40	1.30	−1.73	0.53	0.5	7	15	6	10	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	53.8	−1.9	77	3†	31	20†	37	1.85	−1.36	1.19	T.	6	19	3	9	nw.	Lehigh University.
Carlisle	Cumberland	467	68	52.7	−0.1	80	11	23	31	38	1.00	−2.23	0.54	T.	4	22	5	4	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	51.5	−1.9	77	11	26	31	36	1.19	−1.91	0.60	T.	4	21	8	2	......	W. L. Gearhart.
Center Hall	Center	1,272	38	50.4	−1.5	76	17	25	30	40	0.83	−2.09	0.34	3.0	4	25	2	4	......	S. W. Smith.
Chambersburg	Franklin	580	35	53.5	+0.6	81	11	26	31	38	0.79	−2.41	0.31	T.	6	17	8	6	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	50.4	−2.2	80	16	19	14	47	1.91	−1.33	0.68	3.0	7	19	5	7	w.	E. W. Hess.
Coatesville	Chester	380	47	51.8	−2.3	77	11	28	31	35	1.24	−2.17	1.00	T.	6	18	4	9	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	50.0	−2.7	75	11	23	30	38	1.85	−1.43	0.38	T.	4	20	6	5	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	50.0	0.0	75	11†	18	14	43	1.93	−1.32	0.76	1.0	8	17	5	9	e.	T. B. Lloyd.
Ephrata	Lancaster	380	42	52.8	−1.8	79	11	28	30†	34	1.61	−1.47	0.80	T.	7	18	4	9	ne.	Ira J. Keath.
Freeland	Luzerne	1,970	41	47.7	+0.7	72	11†	24	28	31	1.69	−2.18	0.72	2.0	11	13	10	8	nw.	Theo. Reichmann.
George School	Bucks	190	28	54.0	−1.0	78	11	29	31	36	2.10	−1.04	1.40	0	6	23	6	2	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	54.4	+1.4	79	11	29	30†	34	0.98	−2.23	0.47	0	5	16	7	8	nw.	Dr Henry Stewart
Gordon	Schuylkill	840	30	49.2	−1.5	75	11	21	30	41	1.72	−2.47	0.51	1.0	6	18	6	7	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	43.2	−2.6	60	16	22	31	28	2.03	−1.80	0.65	0.5	9	16	8	7	sw.	Gustav Holtz.
Hamburg	Berks	535	41	51.2	−2.2	78	11	23	30	39	1.96	−1.83	1.12	0	4	18	9	4	w.	State Sanatorium.
Hanover	York	600	30	54.8	−0.6	78	11	31	30	33	1.22	−1.65	0.66	T.	5	19	5	7	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	53.6	−1.2	78	11	32	31	30	1.40	−1.53	0.69	T.	5	14	7	10	w.	U. S. Weather Bureau.
Hawley	Wayne	900	16	46.2	−3.4	72	3	23	31	39	1.74	−1.54	0.94	T.	8	19	7	5	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	54.0	−2.2	74	11	37	20†	25	0.94	−1.54	0.53	T.	5	16	7	8	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	51.8^a	−0.9	80^a	17	22^a	20	45^a	1.17	−1.82	0.53	T.	5	17	5	9	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	53.2	0.0	81	8†	20	14	53	0.79	−2.43	0.37	T.	5	21	3	7	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	3	49.1	....	79	16	16	14	51	1.66	....	0.70	2.0	5	18	6	7	se.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	51.5	−2.3	77	3	25	30†	37	1.36	−1.75	0.88	0	5	19	10	2	w.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	49.8	−0.7	79	17	23	14	43	0.95	−1.83	0.38	T.	5	15	6	10	......	C. P. Darling.
Lebanon	Lebanon	469	50	52.3	−1.4	79	11	27	31	37	1.85	−1.63	0.80	T.	8	19	7	5	w.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	44	53.1	−0.4	78	9	24	14	36	1.54	−1.60	0.50	T.	6	12	15	4	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	57.0	....	78	10†	35	19	28	1.39	....	1.22	T.	3	19	7	5	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	50.0	−2.4	76	3†	23^b	30	39^b	1.51	−2.28	0.85	T	6	16	9	6	w.	R. K. Wintermute.
Mifflin	Juniata	445	30	54.6	+1.7	80	11	24	31	40	0.96	−2.24	0.28	0	4	18	7	6	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	......	....	......	......	......	......	......	......	....	......	......	....	....	....	....	......	Vacant.
Mt. Pocono	Monroe	1,720	28	45.6	−2.8	70	8	23	14	39	1.81	−3.05	1.46	2.0	4	16	5	10	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	48.2^a	−2.1	77^a	11	21^a	14†	44^a	0.95	−2.58	0.49	T.	6	17	5	9	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	52.4	−1.5	78	11	28	30†	41	2.21	−0.95	1.62	T.	8	22	4	5	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	16	50.1	....	77	11	25	30	40	1.71	−1.43	0.89	T.	6	13	7	11	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	56.0	1.8	78	11	36	20	28	1.54	−1.27	1.28	T.	5	14	6	11	n.	U. S. Weather Bureau.
Philadelphia-Gtn.	Philadelphia	113	9	55.3	....	79	11	35	13†	29	1.70	....	1.28	T	6	12	12	7	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	56.2	−0.9	77	11	38	13†	27	1.38	−1.26	1.00	T.	5	9	14	8	sw.	Commandant, Navy Yard.
Phœnixville	Chester	100	24	......	....	82	3	30^g	13	43^g	1.79	−1.38	1.33	0	4	18	10	3	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	49	50.2	−2.0	73	11	25	31	37	2.01	−1.33	1.26	T.	5	17	7	7	w.	John E. Benner.
Reading	Berks	514	64	53.8	−0.9	77	11	33	20	31	1.61	−1.51	0.79	T.	7	13	7	11	n.	U. S. Weather Bureau.
Retreat	Luzerne	900	1	50.1	....	75	11	26	30	39	1.38	....	0.59	0	6	16	8	7	nw.	Theodore J. Sampson.
Scranton	Lackawanna	805	40	49.5	−2.3	76	11	30	31	38	1.06	−1.97	0.50	T.	8	10	9	12	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	52.4	−0.4	79	11	26	30	39	1.49	−2.04	0.52	T.	6	10	20	1	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	53.6	−2.5	76	11	31	31	33	1.44	−1.72	1.19	T.	5	14	4	13	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	53.6	....	79	11	27	20†	36	0.80	....	0.38	T	4	17	5	9	sw.	State Teachers College
State College	Center	1,217	50	50.8	−0.3	77	16	25	20	37	1.27	−1.64	0.54	T.	5	14	10	7	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	49.8	−2.4	76	11	25	31	40	2 27	−1.44	1.31	T.	7	16	7	8	n.	State Normal School.
Towanda	Bradford	754	40	49.4	−1.4	78	11	28	30	44	1.05	−1.88	0.50	0.2	7	10	7	14	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	47.6	−1.3	76	11†	20	14	46	0.92	−2.16	0.50	T.	5	13	8	10	nw.	George W. Hill.
West Chester	Chester	455	85	53.1	−1.4	75	11	32	20	29	1.32	−2 32	1.03	0	4	20	6	5	w.	Joseph W. Belt.
Williamsport	Lycoming	521	48	51.6	−1.1	79	11	26	30	39	1.37	−2.03	0.44	T.	7	16	7	8	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	52.1	−1.2	76	11	28	14	30	1.69	−2.00	0.50	T.	5	18	8	5	sw.	Susquehanna Collieries Co.
York	York	400	46	52.8	−1.2	78	11	27	20†	38	1.55	−1.46	0.86	T.	5	18	9	4	sw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	54.2	−1.0	80	9	25	14	42	0.77	−1.73	0.33	T.	8	19	2	10	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	......	....	78^n	16	14	14	60^n	2.36	−0.62	0.91	4.0	8	15	8	8	......	Frank S. Fawcett.
Butler	Butler	1,077	21	50.9	−2.2	77	8	18	14	47	1.41	−1.74	0.55	T.	6	19	6	6	w.	William C. Faust.
Chambersville	Indiana	1,047	4	51.6	−0.9	78	16†	21	13†	49	1.54	−1.95	1.17	T.	7	17	4	10	w.	John E. Lewis.
Clairton	Allegheny	1,020	2	52.0	....	81	9	21	14	45	0.72	....	0.45	T.	4	17	3	11	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	53.8	−0.2	84	9	19	14	49	0.70	−2.59	0.48	T.	3	20	4	7	w.	J. L. Melvin.
Corry	Erie	1,430	21	49.8	+1.1	80	16	11	20	57	2.83	−1.20	0.75	7.2	9	19	5	7	nw.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	54.2	+0.1	81	16	23	14	49	1.53	−1.65	0.80	T.	5	18	6	7	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	50.6	+0.8	76	16	20	14	42	1.56	−1.89	0.59	3.0	7	20	4	7	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	50.2	+0.8	78	9†	17	13	51	1.83	−1.78	0.95	5.0	4	22	2	7	w.	J. S. Stevanus.
Franklin	Venango	957	60	50.0	−1.3	83	16	20	14	53	2.75	−0.35	0.84	2.0	10	12	3	16	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	53.8	−0.2	80	9	23	14	46	1.21	−1.93	0.64	T.	6	17	9	5	sw.	Westmoreland Water Co.
Greenville	Mercer	950	38	51.7	+0.8	77	8	20	14	44	1.73	−1.70	0.60	T.	5	14	6	11	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	51.3	−0.6	72	11†	22	14	34	1.81	−1.57	0.63	1.5	8	15	8	8	sw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	53.7	0.0	82	16	24	14	48	1.35	−1.66	0.70	1.0	7	20	5	6	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	2	46.4	....	70	16	20	14	36	1.88	....	0.78	3.5	6	12	7	12	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	42	54.2	−0.1	76	9	25	14	38	1.23	−1.92	0.90	T.	4	17	6	8	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	52.2	+1.7	77	16	21	20	46	1.99	−1.54	0.63	T.	7	18	1	12	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	53.2	....	79	9	24	14	39	0.85	....	0.37	T.	5	18	1	12	sw.	Fred Hoffman.
New Castle	Lawrence	808	54	52.0	−0.3	78	12†	24	14†	42	1.38	−1.34	0.41	1.7	15	16	11	4	s.	New Castle Water Co.
Newell	Fayette	800	14	54.6	−0.9	79	10	26	14	37	1.34	−1.20	0.55	0	8	5	17	9	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	54.6	−1.1	79	9	31	14	34	0.67	−1.85	0.35	T	7	14	5	12	w.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	47.8	−1.6	75^a	11†	13	14	50^a	2.43	−0.63	0.67	T	12	15	5	11	se.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	21	51.5	−1.2	78	11†	22	14	40	0.51	−2.37	0.23	T.	4	15	8	8	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	49.0	−0.4	79	9	14	14	55	1.19	−1.91	0.52	3.4	5	15	4	12	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	54.6	0.0	84	9	22	14	51	1.21	−2.11	0.82	T	5	18	8	5	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	-52.8	−1.4	82	11	23	14	50	1.15	−1.99	0.53	T.	7	20	9	2	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	52.0	+1.4	75	17	25	13	40	2.72	−0.73	0.70	6.8	9	15	8	8	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	54.0	....	82	9	23	14	49	1.00	....	0.69	T.	4	8	18	5	nw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	52.0	−1.4	74	17	31	28	29	1.89	−1.80	0.62	3.7	8	14	7	10	n.	U. S. Weather Bureau.
For the State	....	....	....	51.8	−0.6	84	9	11	20	60	1.46	−1.80	1.62	0.6	6	17	7	7	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for October, 1934

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
tlantic Drainage.																																	
llentown‖‖	Lehigh	.06					.90	.18															.03				T.	.35	.30				1.82
ltoona	Juniata						.14												.01								.60	.30	.05	.03			1.13
nsonia‖‖	W. Br. Susq						.05	.02														T.	.18				.48	T.	.33	T.			1.06
rdmore	Lower Del						1.31									.02						.06				.07		.22	.01				1.69
reudtsville	Lower Susq						.06																				.15	.05	.27				0.53
aker's Summit	Juniata						.19																.03		.33			.21	.09				0.85
edford	Juniata						.26												T.			T.	.08				.54	.12	.02				1.02
ellefonte***	W. Br. Susq						.17											T.				.04	T.	T.		.06	.46	.53	.01	T.		.03	1.30
ethlehem	Lehigh	.05					1.19						T.									T.	.04				.83	.07	.17				1.85
loserville‡‡	Lower Susq						.30															.10							.72				1.12
uffalo Mills	Juniata						.26																				.43		.30				0.99
arlisle	Lower Susq					T.	.34															T.	.12				.29	.25		T.			1.00
atawissa‡	N. Br. Susq						.27															.12					.20	.60	T.				1.19
enter Hall	Susquehanna						.19																.02					.34	.28				0.83
hambersburg	Potomac						.31												.02			.03					.21	.19	.03				0.79
learfield	W. Br. Susq						.21															.06	.03				.68	.60	.20	.13		T.	1.91
oatesville	Lower Del					.18	.82												.02				.01				.06	.15	T.				1.24
olebrook	Lower Susq					T.	.88															T.	.26				.36	.35	T.	T.			1.85
onshohocken	Schuylkill																																
resson‡	Juniata						.11																.05			.40	.16	.46	.04				1.22
oylestown	Lower Del						1.19												T.			.03	.34				.11	.07	.10				1.84
mporium	W. Br. Susq						.22					T.						T.				.16	.08	.01			.76	.62	.05	.03		T.	1.93
phrata	Lower Susq					.02	.78												.02			T.	.26				.16	.28	.09				1.61
orest City	N. Br. Susq	1.02					.55						.15									.37	.33	.14			.05						2.61
reeland‖‖	Lehigh	T.					.60	.12					.03						.01				.05	.05	T.		.24	.21	.35	.02	.01		1.69
aleton	W. Br. Susq						.08															.24	.08				.55		.35	.10			1.40
eorge School	Lower Del	.02					1.40												T				.15	T.	T.		.22	.21	.10				2.10
ettysburg	Potomac						.47											T.	.03			T.	T.				.25	.22	.01				0.98
irardville‖‖	Lower Susq					.20	.27												.05			.23					.42	.41					1.58
ordon	Lower Susq						.51																.15				.47	.20	.37		.02		1.72
ouldsboro‡‡	Lehigh						.65			.06		.35											.15	.15			.40		.18	.05	.04		2.03
raterford	Schuylkill						1.04																.08				.11	.39	.14				1.76
amburg	Schuylkill						1.12																.10				.28	.46					1.96
anover	Lower Susq					T.	.66												.01			T.					.28	.25	.02				1.22
arrisburg***	Lower Susq					.03	.66															.04	T				27	.40	T.				1.40
awley‖‖	Upper Del						.85	.09					.02						.04				.20	.03			.09	.42	T.				1.74
ollisterville	Upper Del						.65	.27						T			.03	T.				T.	.14	.10			.08	.23	.16	.04			1.70
oltwood‡‡	Lower Susq					.08	.53											.07									.07	.19					0.94
untingdon	Juniata						.22																.07				.53	.33	.02				1.17
yndman	Potomac						.37												.05								.05	.03	.29				0.79
ylertown	W. B. Susq						.21												.06				T.				.70	.52	.17				1.66
akeville‖‖	Upper Del						.69	.09									.01	T.					.23	.09			.08	.36	.09		.01		1.65
ancaster	Lower Susq						.88												.02				.02				.19	.25					1.36
ansford‖‖	Lehigh						.73	.10															.23				.05	.21	*	.30	T.		1.62
awrenceville	N. Br. Susq						.12	T.														.30	.10				.38	.05	T.				0.95
ebanon	Lower Susq					.80	.09											.02				.04				.28	.07	.50	T.			.05	1.85
ock Haven	W. Br. Susq						.19															.12	.03				.50	.37	.33				1.54
arcus Hook	Lower Del						1.22																T.				.06	T.	T.	.11			1.39
atamoras‖‖	Upper Del						1.30	.13					.09						.13				.18					.39					2.22
auch Chunk	Lehigh						.85																.18				.25	.15	.05	.03			1.51
ifflin	Juniata						.19															T.					.26	.28	.23				0.96
ontrose	N. Br. Susq																																
orris Run	N. Br. Susq						.15					.01										.13	.05	.04			.65		.32				1.33
ount Pocono	Upper Del	T.					1.46	.04					.06									.25											1.81
uncy Valley	W. Br. Susq						.14							T.								.18	.06	T.			.49	.04	.04	T.	T.		0.95
eshaminy‖‖	Lower Del	.01				.30	1.32															.18	.05				.25	.09	.01				2.21
ew Park	Lower Susq				.17															.03							.15	.29	T.				0.64
ewport‖‖	Juniata						.20	.15														T.	.07				.30	T.	.50	T.			1.22
almerton‡	Lehigh					.07	.89					T.										.34	T.				.21	.18	T.	.02			1.71
aupack‖‖	Upper Del						.85										.15						.20				.65		T.				1.85
hiladelphia***	Lower Del					.48	.80												T.			.08					.07	.11	T.				1.54
hiladelphia-Gtn	...do					.05	1.28																.18				.10	.07	.02				1.70
hila. Navy Yard ‖‖	...do						1.00	.19															.08				.05	.06	T				1.38
hila-P'nt Breeze.‡	Lower Del				T.		1.21												T.			.05					.02	.09	T.				1.37
hoenixville	Schuylkill						1.33												.10				T.				*	.36					1.79
ine Grove	Lower Susq					.10	.77															.06					.38	.70	T.				2.01
leasant Mount	Upper Del						.70					.12						.05					.48				.23		T.				1.58
ottstown	Schuylkill					.22	.55															.14					.13	.50	T.				1.54
ottsville	Schuylkill						.74															T.	.16				.27	.20	.18				1.55
uakertown	Lower Del						1.26																.11				.26	.25	.13				2.01
eading***	Schuylkill					.21	.58	.02											.02			.13					.13	.52	T.	T.			1.61
enovo.‖‖	W. Br. Susq	.25					.04	.82	.07	.49													.12				.47	.10	.76		.03		3.15
etreat	N. Br. Susq						.49						T.									.12						.59	.02	.01	.15		1.38
cranton***	...do					T.	.50					.02				T.		.03	T			.11	.04	T.			.25	.10	.01	T.		T.	1.06
elinsgrove	Lower Susq						.30															.01	.04				.52	.35	.27				1.49
hawmont	Schuylkill						1.19												T.				.13				.06	.03	.03				1.44
hippensburg	Lower Susq						.38												T.			T.	.03				.20	.19	T.				0.80
now Hill‡‡	Upper Del						*	1.10											.10			.10	.02				.12		.05				1.49
tate College	W. Br. Susq						.18												T.			T.	.06				.42	.54	.07	T.		T.	1.27
troudsburg‖‖	Upper Del						1.31	.13					T.				T.	T.	.03			T.	.45	.05			.02	.28	T.	T.			2.27
unbury	Lower Susq						.06	.13											T.				.08				.17	.39	.70		T.		1.53
owanda	N. Br. Susq						.19	T.				T				T.		T.		T.		.07	.03	.07	T		.50	.13	.06	T.		T.	1.05
eikert	Lower Susq																																
ellsboro	W. Br. Susq						.08															T.			.50		T.	.12	.10	T.		.12	0.92
est Chester	Lower Del						1.03																.08				.11	.10					1.32
estgrove‖‖	...do						.82	.08															.02					.04	.14				1.10
ilkes-Barre‖‖	N. Br. Susq	.08					.42	.07					T.						T.				.10				.20	.03	.24	T.	T.		1.14
illiamsport‖‖	W. Br. Susq						.14	.06					.01										.27				.40	.05	.44	T.			1.37
illiamstown	Susquehanna						.50															T.	.14				.38	.18	.49				1.69
ork	Lower Susq					.02	.86																.02				.41	.24	T.				1.55
ork Haven‖‖	Lower Susq	.02					.65	.12											.01				.12				.22	.02	.20				1.36
onsville..(near)	Schuylkill	.03					1.13	.02															.09				.31	.21	.22				2.01
renton, N. J***	Lower Del					.26	1.47	T.											.01			.17	.01				.16	.07	T.	T.			2.15

Continued on page 49.

Daily Precipitation for October, 1934—Continued from page 48

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.02					.02															.03					.33	.13	.19	.01	.04		0.77
Beaver Falls‖‖	Beaver	.01					.01	T.												T.		.01					.48	.06	.22	T.	.02		0.81
Brookville	Allegheny	.15					.17																	.30			.82	.09	.72	.03	.08		2.36
Butler	Ohio						.09															T.					.55	.25	.42	.05		.05	1.41
Chambersville	Allegheny						.17												.02			.06					.80	.37	.04	.08		T.	1.54
Clairton‡	Monongahela						.05																			.45		.13	T.			.09	0.72
Claysville	Ohio						T.															T.	T.				.35	.13	.22				0.70
Clymer‡‡	Conemaugh				.44																						.60	.40	.30	T.	T.		1.74
Confluence‖‖	Youghiogheny	.05					.19	T.																			.70	.04	.33				1.31
Corry	Allegheny						.02															.38	.21				.61	.75	.55	.30	.06	.05	2.83
Derry	Conemaugh						.12															T.	.06				.80	.40	.15				1.53
Donora‖‖	Monongahela				T.		.11															T.				.65	.18	.17	T.			T.	1.11
Ebensburg	Conemaugh						.20												.06			T.	.08	T.			.59	.38	.13	.12			1.56
Elk Lick	Youghiogheny						.38																				.95	.30	.20				1.83
Franklin‖‖	Allegheny	.37					.03															.33	.03	.09			.77	.07	.84	.16	.06		2.75
Greensboro	Monongahela	.01					.11												.01				T				.63	.01	.22	T.			0.99
Greensburg	Youghiogheny					T.	.22											.03				.01					.64	.14	.17			T.	1.21
Greenville	Beaver						T.												T.			.31	T.				.50	.60	.22	.10		T.	1.73
Grove City	do						.04															.23	.05	.02			.45	.63	.34	.05			1.81
Herrs Isl. Dam‖‖	Ohio	.01					.02															T.	T.				.31	.10	.35	T.			0.79
Irwin	Monongahela						.13															.04					.70	.15	.17				1.19
Johnstown	Conemaugh					T.	.12						T.					.08	T.			.03					.70	.29	.12	.01		T.	1.35
Kane (near) ‡‡	Allegheny																					.27	.23				.78	.34	.24	.02		T.	1.88
Kregar‖‖	Youghiogheny					.09	.08											.04	.02		T.	.09		T.		1.08	.10	.39	.02	T.		32	2.23
Lake Lynn‖‖	Monongahela						.08												.02								.83		.13				1.06
Linesville‖‖	Beaver							.05												T.		.45	.04				.39	.01	.70	.05	.16		1.85
Lock No 2‖‖	Ohio	T.					.03															.02					§	.11	.22	T.	T.		§0.38
Lock No. 4‖‖	Monongahela	.05					.10															.03					.53	.15	.30	T.			1.16
Lock No. 5‡‡‖‖	Allegheny	.02					.07												T.			.02	T.	T.			.64	.09	.20	.03	.03		1.10
Lycippus	Conemaugh						.10												.12				T.				.90	.11	T.				1.23
McKeesport‖‖	Monongahela	1.16					.02																				.35	.05	.12	T.			1.70
Meadville	Allegheny						.02															.42	.12				.40	.63	.29	.11		T.	1.99
Mosgrove	do	.02					.05	.05														.13	T.	.03			.60	.04	.38	T.	.05		1.35
Mount Lebanon	Ohio						.03												T.			T.				.24	.07	.37	T.	T.		.14	0.85
Natrona‖‖	Allegheny	.02					.12												.01			.06					.53	.10	.45	.05	.02		1.36
New Castle‖‖	Beaver	.09	.01	.01		.01										.01			.01			.12	.01		.01		.41	.20	.37	.07	.04	.01	1.38
Newell	Monongahela	.01	.06				.14		.02																	.55	.15	.16			.25		1.34
Parkers Landing‖‖	Allegheny	.23					.08															.06	T.	T.			.64	.15	.58	T.	T.		1.74
Pennline‖‖‡‡	Beaver	.04						.07												.06		.49	.04				.39		.86	T.	.23		2.18
Pittsburgh***	Ohio						.02												T.			.01				.34	.01	.17	.05	T.		.07	0.67
Punxsutawney‖‖	Allegheny																																
Ridgway	do	.20				T.	.22	.08														.24	.03	.05			.67	.03	.50	.15	.03	.23	2.43
Saltsburg‖‖	Conemaugh	.01					.10															T.	T.				.54	.10	.24	.02	T.		1.01
Sharon‖‖	Beaver																				.07						.23	.18	.03				0.51
Smethport	Allegheny							.25														.10	.35	.30			.40	.05	.60	.20	.10		2.35
Somerset	Youghiogheny						.23	T.											T.			.01					.52	.22	.21				1.19
Springdale‖‖	Allegheny	T.					.06															T.					.48	.11	.18	.01	.01		0.85
Uniontown	Monongahela						.08															T.	.01				.82	.17	.13				1.21
Unity Reservoir‡‡	Youghiogheny						.10															T.					.64	.15	.22				1.11
Vandergrift‡	Conemaugh							.05														.09				.53	.07		.25	.01		.15	1.15
Warren	Allegheny						.10	.04														.40	.34				.45	.70	.16	.28		.25	2.72
Waynesburg	Monongahela						.08																				.62	.07	.23				1.00
Westford‖‖	Beaver						.18												.22		.40	.02				.48		.75	.10			.43	2.58
West Newton‖‖	Youghiogheny						.12												T.			T.	T.				.70	.12	.14				1.08
Lake Drainage.																																	
Erie***	Lake Erie						.03												T			.49	.01	T.		.14	T.	.58	.07	.31	T.	.26	1.89

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.06	30.46	1	29.62	27	13.8	35	w.	11	74	66	68	55
Harrisburg	30.06	30.41	5	29.61	31	7.4	25	nw.	26	73	50	61	62
Philadelphia	30.07	30.46	4	29.59	11	12.4	33	n.	12	71	51	63	63
Pittsburgh	30.10	30.45	1	29.58	31	9.3	37	nw.	27	82	56	60	66
Reading	30.06	30.43	4	29.60	11	10.6	35	nw.	26	71	53	62	55
Scranton	30.05	30.45	4	29.55	11	7.0	24	nw.	26	80	56	67	55

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.3	5.8	1	2.4	22	18
Phillipsburg	Delaware	3.0	7.7	1	1.8	26	22
Mauch Chunk	Lehigh	2.8	4.8	1	2.2	31	17
Wilkes-Barre	Susquehanna	3.3	6.1	2	2.3	21	20
Williamsport	Susquehanna	1.5	4.8	2	0.6	23	20
Harrisburg	Susquehanna	4.1	6.2	1	3.5	25	17
Greensboro	Monongahela	10.6	12.5	1	10.1	27	30
West Newton	Youghiogheny	0.6	3.8	1	0.0	26	20
Lock No.4	Monongahela	11.1	13.9	1	10.6	23	30
Pittsburgh	Ohio		13.4	1	9.4	24	25
Beaver Dam	Ohio		11.8	2	9.0	27	30

e—Pool stage.

Daily Temperatures for October, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	60	64	72	67	59	62	67	72	70	67	71	52	51	57	72	67	63	71	58	55	56	63	63	63	66	58	47	44	51	50	58	61.2
	Minimum	47	37	40	46	47	47	51	44	47	46	47	51	34	33	38	46	45	47	43	30	34	40	49	44	39	40	39	34	33	30	32	41.3
Altoona	Maximum	59	65	68	65	60	66	65	74	72	69	75	69	52	55	68	79	80	63	60	64	79	69	65	65	67	60	46	41	46	51	55	63.6
	Minimum	36	32	40	45	51	52	47	41	48	41	53	46	23	21	43	52	42	51	40	27	39	51	48	39	40	45	38	31	26	28	28	40.1
Bedford	Maximum	62	67	70	69	62	65	65	74	77	69	76	71	56	57	69	77	78	70	70	76	77	71	64	66	67	62	50	44	50	51	58	65.8
	Minimum	41	35	42	43	54	54	51	41	46	47	49	47	24	22	34	37	36	49	37	24	32	55	52	37	36	46	39	32	29	29	23	39.5
Bellefonte	Maximum	54	64	71	65	60	66	64	72	67	61	74	56	49	56	69	77	75	65	59	61	65	58	63	59	65	56	44	41	46	49	53	60.8
	Minimum	36	30	37	44	52	54	46	39	43	40	42	34	27	25	43	41	38	47	30	21	36	52	50	40	34	39	32	30	29	27	24	37.5
Brookville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	65	78	70	65	70	76	72	75	62	59	72	75	53	45	42	41	49	......
	Minimum	30	27	31	36	45	40	38	29	35	34	31	34	18	14	26	30	28	30	35	16	28	34	37	36	31	37	30	30	27	20	22	30.3
Butler	Maximum	57	65	72	70	69	68	74	77	76	76	75	72	56	52	68	76	76	75	58	69	75	65	60	69	73	73	51	45	37	47	48	65.3
	Minimum	33	30	36	40	42	54	35	39	46	39	39	45	22	18	30	33	32	52	45	22	45	43	49	32	36	44	37	30	26	28	31	36.5
Carlisle	Maximum	64	68	74	73	63	68	70	75	76	68	80	75	53	60	60	77	71	70	62	63	61	63	69	68	58	62	51	43	52	55	61	64.9
	Minimum	43	32	38	44	51	55	48	41	45	44	45	50	34	30	34	44	47	50	45	27	33	45	52	48	36	40	39	36	30	25	23	40.5
Catawissa	Maximum	63	66	74	71	64	66	71	75	72	57	77	70	48	58	72	74	70	68	60	58	62	60	58	66	66	58	50	42	49	52	58	63.1
	Minimum	41	32	38	48	50	54	43	40	41	45	41	40	27	27	36	43	45	52	42	27	34	47	52	46	40	50	34	33	34	27	26	39.9
Chambersburg	Maximum	62	69	74	70	62	64	71	76	75	62	81	71	54	60	69	77	73	71	63	65	61	65	67	62	68	63	49	46	55	55	61	65.2
	Minimum	44	35	40	49	52	54	52	44	47	47	48	48	32	27	39	42	42	52	44	27	36	49	54	44	37	48	40	35	35	28	26	41.8
Chambersville	Maximum	58	69	71	68	68	69	67	73	76	77	76	68	52	55	69	78	78	68	60	70	78	70	61	69	73	68	46	39	44	49	53	65.2
	Minimum	35	42	36	45	51	53	45	37	41	45	43	43	21	25	32	35	38	50	39	21	46	48	47	32	43	40	36	30	29	25	25	38.0
Claysville	Maximum	61	73	72	72	70	72	70	77	84	80	78	74	57	60	70	80	78	71	62	76	78	71	59	77	75	65	57	42	47	53	56	68.3
	Minimum	35	32	37	41	51	57	43	38	45	48	53	45	25	19	30	34	40	52	42	27	50	54	47	37	45	43	35	33	30	26	27	39.4
Clearfield	Maximum	62	70	62	70	67	69	67	71	69	75	76	69	55	60	70	80	79	67	70	68	65	77	68	73	72	67	47	43	44	43	52	65.4
	Minimum	34	38	32	38	50	40	46	40	34	39	40	39	22	19	35	35	37	37	33	21	39	41	42	52	34	46	27	27	28	26	24	35.3
Coatesville	Maximum	62	66	73	67	62	65	67	74	70	60	77	66	49	54	69	68	66	73	58	54	65	67	63	61	66	57	51	46	54	52	59	62.6
	Minimum	44	37	40	50	48	53	50	43	51	46	46	40	32	31	35	43	45	48	43	29	30	49	52	46	35	46	37	34	31	29	28	41.0
Corry	Maximum	61	70	67	71	66	70	65	76	71	75	78	69	57	62	72	80	78	69	58	68	70	54	53	73	75	63	43	32	43	45	48	63.9
	Minimum	30	29	37	48	41	52	47	38	37	36	35	41	25	17	29	37	36	41	31	11	46	48	45	46	44	41	30	27	28	25	33	35.8
Emporium	Maximum	55	66	68	65	61	67	63	72	69	68	75	66	47	55	70	75	75	65	56	63	72	62	58	62	68	61	45	39	45	46	51	61.6
	Minimum	40	31	38	52	48	55	57	38	43	36	39	40	34	18	31	35	40	48	38	20	40	52	50	48	34	45	32	32	32	29	25	38.4
Erie	Maximum	56	66	67	59	69	68	60	68	60	61	70	57	43	52	64	71	74	60	50	61	70	56	53	64	73	53	47	42	42	47	50	59.1
	Minimum	41	41	53	50	54	55	52	52	50	45	53	40	33	31	48	54	53	45	36	32	52	52	52	50	50	47	39	31	32	35	35	44.9
Franklin	Maximum	67	75	72	74	69	75	69	78	79	78	79	60	55	63	74	83	79	55	65	72	75	55	59	74	76	55	44	40	41	52	52	65.9
	Minimum	35	31	33	31	42	43	38	30	35	33	37	38	24	20	32	35	34	35	37	22	22	50	49	35	36	40	37	31	31	30	29	34.0
Freeland	Maximum	56	63	67	63	55	62	60	68	59	50	72	65	41	50	68	72	67	67	50	47	53	56	50	61	67	51	46	36	45	47	54	57.0
	Minimum	39	37	45	42	43	49	45	43	47	39	44	34	26	25	39	46	46	50	33	27	34	47	44	43	41	41	31	24	27	26	34	38.4
Gettysburg	Maximum	67	67	74	70	64	67	70	75	75	67	79	73	55	57	72	76	67	73	66	64	62	68	67	61	65	62	52	47	54	53	62	65.5
	Minimum	47	36	41	50	52	55	52	45	49	49	49	49	32	32	38	46	50	53	46	30	36	50	53	47	38	50	43	35	33	29	29	43.4
Greensburg	Maximum	60	68	76	71	68	70	73	74	80	76	76	71	52	55	66	73	76	65	59	73	77	70	60	75	77	66	51	46	49	51	54	66.4
	Minimum	39	35	44	46	55	54	46	40	48	50	52	47	27	23	35	39	43	53	41	27	45	54	49	37	44	46	41	29	30	27	31	41.2
Grove City	Maximum	55	65	66	66	65	69	65	69	69	69	72	72	47	56	63	72	72	70	57	61	64	64	53	65	65	64	48	38	37	46	49	61.1
	Minimum	37	37	44	50	52	54	48	44	44	45	53	45	28	22	39	45	48	45	40	28	53	49	48	40	45	43	36	33	30	28	32	41.5
Hamburg	Maximum	75	70	73	66	60	62	71	73	72	63	78	73	46	45	69	71	62	72	65	62	63	62	63	65	66	57	56	40	46	55	60	63.3
	Minimum	40	33	38	46	49	54	40	43	45	45	39	46	33	29	31	38	48	49	45	30	34	40	52	44	35	43	36	30	32	23	24	39.2
Harrisburg	Maximum	60	65	74	66	61	65	68	74	70	59	78	69	48	57	72	72	68	70	60	61	58	64	61	63	64	59	48	44	51	52	58	62.5
	Minimum	43	38	44	52	51	54	55	50	52	50	49	41	38	35	44	49	53	53	47	36	39	49	54	48	41	48	37	37	36	34	32	44.8
Hawley	Maximum	60	64	72	61	60	63	62	69	64	55	71	68	46	53	58	64	69	66	52	47	53	57	56	61	65	56	47	40	47	46	53	58.2
	Minimum	37	29	33	37	38	50	45	34	38	28	32	37	27	24	28	41	37	40	37	28	27	39	47	38	31	35	38	29	28	26	23	34.2
Huntingdon	Maximum	59	69	72	67	65	....	68	77	75	65	77	70	54	59	72	78	80	67	63	66	71	65	66	65	69	62	50	43	51	53	57	65.2ª
	Minimum	39	35	41	45	47	....	36	36	42	41	41	47	26	24	31	37	35	48	44	22	34	53	53	51	37	47	38	33	34	32	23	38.4ª
Johnstown	Maximum	66	73	73	73	59	69	69	75	81	78	77	65	55	60	71	82	81	62	64	75	79	63	65	72	77	62	47	40	47	53	56	66.7
	Minimum	42	36	40	46	55	54	49	41	46	48	58	42	28	24	35	38	39	52	36	27	41	53	49	39	38	45	40	33	32	30	27	40.7
Lancaster	Maximum	70	67	77	71	64	65	61	72	70	60	73	71	55	50	67	75	67	73	66	48	62	70	68	66	60	60	55	50	47	54	51	63.4
	Minimum	43	35	40	45	49	54	45	40	44	45	54	48	29	30	31	38	45	44	45	27	31	45	51	42	36	44	35	33	31	25	25	39.6
Lawrenceville	Maximum	58	60	71	64	62	64	66	77	71	69	78	70	60	59	65	78	79	69	57	59	64	60	58	63	67	60	48	40	48	48	54	62.8
	Minimum	37	31	39	41	38	54	48	36	38	32	35	38	32	23	32	43	38	48	37	27	35	39	47	48	33	46	30	28	29	28	30	36.8
Lebanon	Maximum	59	67	74	67	61	63	69	76	73	61	79	57	52	57	73	74	65	73	59	60	57	64	63	66	66	57	46	47	52	54	61	63.
	Minimum	45	35	40	46	49	51	49	42	47	49	45	52	34	29	36	43	51	50	46	32	35	43	52	42	39	44	42	34	33	28	27	41.6
Marcus Hook	Maximum	66	72	71	64	68	70	76	73	70	78	78	60	58	71	70	68	71	70	59	67	70	69	65	65	63	60	60	55	56	60	60	66.5
	Minimum	47	49	54	52	51	52	52	57	51	56	55	36	36	45	50	49	53	47	35	39	50	55	54	45	52	46	38	39	39	38	49	47.5
Meadville	Maximum	58	69	69	69	69	71	70	75	74	73	76	73	50	57	71	77	74	72	56	67	72	66	56	70	74	68	51	41	41	49	50	64.8
	Minimum	33	33	42	52	52	55	45	41	42	42	39	44	28	22	37	40	41	44	35	21	48	50	49	39	45	45	34	31	32	32	36	39.6
Mifflin	Maximum	72	71	75	72	66	70	69	78	78	70	80	78	60	62	75	78	78	72	68	65	68	65	68	65	67	64	58	48	53	59	61	68.2
	Minimum	42	36	40	45	54	55	54	39	45	43	41	52	33	28	38	40	40	50	45	25	34	49	54	51	39	50	38	35	30	26	24	41.1
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Muncy Valley	Maximum	57	63	70	66	60	59	....	73	67	60	77	69	43	58	66	72	67	66	55	62	59	57	55	65	63	58	51	42	44	49	52	60.2ª
	Minimum	36	29	35	45	49	56	....	34	41	35	33	40	25	21	29	42	40	50	36	28	31	45	48	47	35	46	31	28	26	21	23	36.2ª
Philadelphia	Maximum	63	69	75	66	65	65	71	74	73	60	78	68	52	57	71	68	69	72	60	56	68	67	67	62	68	59	51	47	54	53	60	64.1
	Minimum	51	51	52	55	52	59	56	53	59	52	54	40	37	37	43	52	51	54	46	36	42	52	55	52	48	51	40	38	39	38	41	47.9
Pittsburgh	Maximum	60	69	73	72	68	69	65	73	79	76	76	63	51	56	66	76	75	64	58	69	74	60	59	71	75	54	51	41	44	49	57	64.3
	Minimum	44	40	47	52	57	56	50	49	54	54	54	42	35	31	42	46	48	44	41	35	54	52	50	45	50	45	35	33	35	33	38	44.9
Quakertown	Maximum	69	63	70	63	59	63	65	71	62	68	73	68	49	54	69	65	65	71	65	50	59	62	63	61	63	64	55	44	49	49	56	61.5
	Minimum	43	34	36	46	49	52	51	40	46	44	40	42	32	30	32	42	40	42	39	29	29	47	51	45	33	36	37	33	31	30	25	38.9
Reading	Maximum	59	67	74	66	60	66	67	73	72	60	77	65	47	54	71	68	67	73	58	58	60	62	62	65	67	57	51	42	57	57	64	62.8
	Minimum	45	39	46	54	51	56	55	50	56	51	50	39	35	33	46	50	51	50	43	33	37	49	53	49	40	47	35	36	37	36	33	44.7
Ridgway	Maximum	61	70	69	70	62	68	65	73	74	72	75	54	50	57	57	60	70	60	60	71	74	59	54	69	75	56	46	37	42	47	....	61.6ª
	Minimum	30	29	29	38	44	54	44	31	38	38	32	38	19	13	23	37	34	34	30	21	24	46	47	45	46	46	31	29	30	29	26	34.0
Scranton	Maximum	56	65	70	66	62	64	64	72	63	54	76	56	45	53	64	69	71	64	52	45	56	60	56	58	68	55	46	39	47	49	55	58.7
	Minimum	38	34	41	49	48	54	51	46	45	36	38	35	32	32	39	47	44	46	35	33	36	50	50	44	38	45	37	32	33	32	30	40.3
Selinsgrove	Maximum	68	65	75	67	64	66	68	64	70	65	79	74	49	58	73	74	70	70	64	59	61	61	64	67	64	61	52	44	50	52	56	63.7
	Minimum	42	34	39	46	53	54	43	41	46	44	40	42	43	30	37	41	49	51	44	29	34	47	52	51	39	49	32	32	34	26	27	41.0
Somerset	Maximum	58	72	73	65	58	67	61	71	79	72	72	66	50	51	63	77	75	66	55	72	75	67	58	64	75	59	50	38	45	48	53	63.1
	Minimum	38	30	31	34	50	51	43	32	42	42	53	45	18	14	34	30	30	46	38	17	34	50	46	30	30	41	38	28	25	26	18	35.0
State College	Maximum	56	64	70	65	60	65	63	72	67	60	74	67	58	54	68	77	74	65	58	62	67	59	63	62	65	58	48	40	46	49	53	61.6
	Minimum	37	31	40	41	50	51	48	41	49	40	47	46	27	26	42	45	43	53	40	25	39	50	48	47	35	47	38	31	29	26	29	40.0
Stroudsburg	Maximum	59	66	75	68	60	66	70	75	67	51	76	50	52	57	71	65	60	73	56	52	54	66	62	70	66	55	55	42	51	54	56	61.3
	Minimum	42	32	35	39	45	47	50	39	43	36	37	45	33	27	32	45	41	45	43	30	30	45	50	44	35	38	41	33	33	26	25	38.3
Towanda	Maximum	57	69	72	63	64	66	65	76	65	64	78	62	41	57	67	71	76	64	53	45	58	62	57	61	66	67	48	39	46	50	55	60.8
	Minimum	48	32	38	44	50	54	50	36	41	33	34	36	30	29	32	47	39	45	32	30	30	48	49	42	38	45	34	30	33	28	29	37.9
Uniontown	Maximum	60	71	73	73	65	69	71	75	84	75	80	71	53	58	72	81	77	66	61	77	81	72	58	78	79	69	57	43	49	55	59	68.1
	Minimum	43	37	39	45	58	57	45	42	46	54	55	45	28	22	30	35	37	56	43	26	45	55	47	40	42	49	37	33	31	29	26	41.2
Vandergrift	Maximum	62	69	73	72	68	72	69	78	78	78	82	62	55	59	71	78	78	64	61	71	81	63	64	73	78	59	47	45	47	54	57	66.7
	Minimum	40	37	43	47	48	56	45	41	46	50	50	36	28	23	34	36	37	46	32	29	31	53	42	37	39	41	41	34	31	30	25	39.0
Warren	Maximum	59	59	67	65	67	65	66	67	69	68	70	60	54	58	65	70	75	69	60	70	70	68	64	68	73	72	64	38	38	42	44	62.7
	Minimum	37	36	41	51	50	54	50	40	49	40	41	38	25	26	39	42	41	50	45	30	58	52	46	42	47	49	38	28	30	30	32	41.2
Waynesburg	Maximum	64	72	74	77	69	72	68	75	82	78	77	70	55	58	68	79	78	71	71	74	78	72	60	75	77	68	59	42	48	52	57	68.4
	Minimum	40	33	38	40	49	56	45	38	46	49	52	48	29	23	30	33	38	54	43	25	43	55	46	36	40	45	39	33	28	26	25	39.5
Wellsboro	Maximum	60	68	70	68	58	62	64	75	65	66	76	67	45	57	68	76	76	65	55	58	63	68	55	64	68	57	42	38	43	47	52	61.2
	Minimum	36	26	28	35	38	51	46	31	37	30	30	40	28	20	38	37	34	45	36	25	30	42	45	45	30	39	32	27	29	24	22	34.1
Williamsport	Maximum	62	66	70	67	62	64	69	77	69	59	79	73	47	62	65	73	71	68	60	59	57	57	56	59	63	60	50	42	48	51	55	61.9
	Minimum	42	35	40	48	53	55	50	39	45	40	40	43	34	29	38	46	45	54	44	28	38	47	51	50	40	49	38	33	34	26	27	41.3
Williamstown	Maximum	67	66	74	68	61	64	65	72	71	68	76	74	53	53	70	74	69	69	66	58	60	59	60	64	64	60	51	41	52	50	55	63.0
	Minimum	39	38	45	47	45	42	47	46	51	44	48	47	30	28	43	51	49	52	41	30	30	47	47	47	43	45	30	31	30	29	35	41.2
York	Maximum	64	66	73	69	63	67	69	75	71	65	78	73	54	56	70	74	67	72	66	58	64	65	63	63	67	61	54	47	54	52	62	64.6
	Minimum	47	36	39	45	50	55	46	42	46	45	48	49	30	28	32	40	53	52	47	27	34	47	52	39	37	51	34	36	33	27	27	41.1

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA. PA.

VOL. XXXIX. NOVEMBER, 1934. No. 11.

GENERAL SUMMARY.

November was a warm, and generally pleasant month during which outdoor work of all kinds made fair progress. In Philadelphia there were eleven dates with temperature excess of ten degrees or more, the greatest excess being 23 degrees on the last day of the month. Most of the temperature excess accumulated during the last half of the month, during which time rains were frequent, and sometimes moderately heavy. This condition caused a good growth of most grasses and of the winter grains, which latter became well established for the winter season. Pasturage was good in a large portion of the State, and the conditions were mild enough to permit of leaving stock out on the range. The chief cold period extended from the 9th to 15th, both dates, inclusive, and was not severe. The greatest daily deficiency was about ten degrees on the 14th. Practically all of the snowfall occurred in the western half of the State, and there were few places where the ground was covered more than three or four days. Snowfall averaged a little more than two-thirds of the November normal, but frost did not penetrate the ground deeply, and its protection was not needed for the winter grains. Rains, near the end of the month, were general and fairly heavy. They filled many stream banks full, and replenished the surface water supply in ponds and reservoirs with ample allowance. The surface soil was completely saturated, and field operations were; temporarily suspended. Sunshine for the month was near the normal, and the wind movement was fairly large. However, there were no severe or damaging storms. Philadelphia recorded a maximum wind velocity of 44 miles per hour on the 4th, and Pittsburgh recorded 38 miles per hour on the 26th. Thunderstorms occurred in many places on the 5th and 6th, but were not severe. August, September, and November were the only months this year to show an excess in precipitation, and in consequence a deficiency has accumulated in nearly all parts of the State excepting the Harrisburg region. This deficiency is mostly around three inches excepting a few northwestern counties where it runs as high as eleven inches.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 85 stations, was 44.9°, which is 3.7° above the November normal. The highest monthly mean was 51.0°, at Marcus Hook, and the lowest was 36.8°, at Gouldsboro. Extremes for the month ranged from a maximum of 80° at Clairton on the 22d to a minimum of 6° at Muncy Valley and Somerset on the 15th. The greatest daily range in temperature was 48° at Stroudsburg on the 3d and 17th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations of 142 stations, was 3.61 inches, which is 0.75 inch more than the normal for November. The greatest monthly amount was 7.38 inches at at Mauch Chunk, while the least, 1.03 inches, was recorded at Smethport. The greatest amount recorded in any 24 consecutive hours was 3.86 inches at Center hall on the 22-23d. Snowfall averaged 1.8 inches, which is 0.7 inch less than the November normal. The greatest monthly snowfall was 11.4 inches at Corry, and the greatest 24-hour fall was 5.5 inches at Kane and Grove City on the 13th.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	42.2	+1.0	79	4	3.37	+0.51	6.22	1.99	2.1	11	9	7	14
1889	41.8	+0.6	73	10	6.72	+3.86	10.16	2.72	0.7	15	5	8	17
1890	41.8	+0.6	78	10	1.49	−1.37	4.29	0.78	0.5	8	9	10	11
1891	39.7	−1.5	76	6	2.65	−0.21	5.70	1.09	1.2	9	9	8	13
1892	39.0	−2.2	80	10	4.34	+1.48	7.08	1.61	8.6	12	6	8	16
1893	39.2	−2.0	68	−4	2.93	+0.07	5.69	1.16	2.4	8	8	11	11
1894	38.2	−3.0	74	6	2.50	−0.36	3.64	0.74	5.3	9	10	9	11
1895	42.9	+1.7	78	6	2.48	−0.38	5.73	0.97	0.5	10	10	8	11
1896	46.0	+4.8	83	12	3.55	+0.69	8.05	0.82	1.1	10	8	9	13
1897	41.6	+0.4	76	2	5.28	+2.42	7.04	2.37	2.6	14	6	8	16
1898	40.0	−1.2	73	2	4.03	+1.17	7.34	1.44	6.9	11	8	9	13
1899	41.5	+0.3	72	8	2.66	−0.20	4.86	0.61	1.2	7	10	8	12
1900	43.5	+2.3	79	7	4.10	+1.24	6.92	1.67	3.1	12	6	9	15
1901	36.0	−5.2	76	7	2.56	−0.30	5.00	1.23	3.1	8	7	8	15
1902	47.3	+6.1	78	9	1.53	−1.33	3.02	0.50	1.5	8	10	8	12
1903	36.9	−4.3	78	0	2.18	−0.68	5.33	0.88	1.4	7	11	8	11
1904	38.8	−2.4	79	−4	1.14	−1.72	3.31	0.14	3.5	6	10	9	11
1905	39.1	−2.1	68	5	2.47	−0.39	3.72	1.08	0.9	9	11	8	11
1906	41.5	+0.3	80	9	1.48	−1.38	3.08	0.54	4.0	8	12	6	12
1907	39.8	−1.4	70	4	3.60	+0.74	7.52	1.05	2.9	10	13	8	9
1908	41.2	0.0	75	−2	0.90	−1.96	1.97	0.20	5.0	5	12	8	10
1909	46.4	+5.2	80	15	1.40	−1.46	3.97	0.26	1.9	7	12	8	10
1910	36.8	−4.4	68	9	2.45	−0.41	5.63	0.33	8.5	11	4	7	19
1911	37.8	−3.4	77	7	2.84	−0.02	5.68	0.99	3.7	10	7	7	16
1912	43.0	+1.8	81	7	2.17	−0.69	4.83	0.61	1.9	7	10	8	12
1913	43.9	+2.7	79	10	3.05	+0.19	6.34	1.43	4.5	11	10	5	15
1914	40.6	−0.6	81	−2	1.76	−1.10	4.27	0.57	1.5	6	12	9	9
1915	42.1	+0.9	79	13	2.18	−0.68	5.32	0.22	1.3	10	10	9	11
1916	41.3	+0.1	79	4	2.27	−0.59	7.97	0.88	1.6	9	13	6	11
1917	37.6	−3.6	69	−5	0.63	−2.23	1.37	0.12	1.4	5	14	7	9
1918	42.1	+0.9	76	11	2.03	−0.83	4.07	0.44	T.	7	12	6	12
1919	41.2	0.0	76	11	5.35	+2.49	8.45	1.84	2.3	12	11	7	12
1920	40.3	−0.9	75	5	3.54	+0.68	6.42	1.85	4.5	11	7	7	16
1921	42.3	+1.1	80	3	5.75	+2.89	9.14	3.20	1.4	16	5	7	18
1922	42.9	+1.7	73	12	1.21	−1.65	4.52	0.23	1.8	9	10	7	13
1923	40.7	−0.5	70	10	2.83	−0.03	6.84	1.55	0.3	10	12	5	13
1924	40.7	−0.5	78	−9	1.54	−1.32	3.29	0.56	2.9	7	12	8	10
1925	39.5	−1.7	71	4	3.56	+0.70	6.07	1.50	2.2	10	11	7	12
1926	40.4	−0.8	79	−1	4.49	+1.63	9.84	2.00	0.9	10	9	7	14
1927	46.2	+5.0	85	10	4.95	+2.09	11.36	2.21	1.8	14	7	7	16
1928	43.4	+2.2	81	4	2.32	−0.54	5.71	1.05	2.3	12	7	8	15
1929	41.1	−0.1	81	−10	3.39	+0.53	5.07	1.89	1.9	12	8	8	14
1930	42.0	+0.8	75	−15	1.48	−1.38	4.29	0.22	2.3	9	10	7	13
1931	49.2	+8.0	80	12	1.52	−1.34	4.42	0.36	2.9	9	10	8	12
1932	39.4	−1.8	75	−2	4.75	+1.89	9.11	2.30	0.3	10	12	7	11
1933	38.1	−3.1	83	−11	1.55	−1.31	5.21	0.51	7.0	11	8	7	15
1934	44.9	+3.7	80	6	3.61	+0.75	7.38	1.03	1.8	12	9	7	14
Period	41.2	....	85	−15	2.86	....	11.36	0.12	2.5	10	9	8	13

W. B. O. Philadelphia-1-10-35-1050.

Climatological Data for November, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	45.0	+2.6	74	20	23	15	34	3.05	+0.37	0.81	T.	15	15	3	12	sw.	John A. Frick.
Altoona	Blair	1,615	47	43.8	+3.4	70	18	20	15	26	3.68	+1.45	0.94	1.0	10	15	7	8	w.	F- E. Rooney.
Ardmore	Montgomery	350	2	48.3	+4.1	76	20	23	15	33	3.70	+0.16	1.30	T.	12	10	6	14	......	H. G. Balderston.
Areudtsville	Adams	700	12	44.2	+1.5	72	4†	18	15†	46	4.10*	+1.41	1.04	0	8	18	4	8	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	44.6	......	70	18	18	15	37	3.26	....	1.04	T.	10	10	3	17	nw.	Charles C. Lee.
Bellefonte	Center	1,050	26	43.3	+1.9	68	18	17	15	32	2.89	+0.78	1.03	T.	12	3	6	21	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	48.0	+3.8	75	20	25	15	28	4.17	+1.07	1.27	T.	15	12	2	16	w.	Lehigh University.
Carlisle	Cumberland	467	68	46.2	+5.1	73	20	22	15†	36	3.90	+0.79	0.87	T.	10	12	4	14	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	45.6	+3.2	71	20	19	15	34	4.95	+2.21	1.30	0.1	9	13	10	7	......	W. L. Gearhart.
Center Hall	Center	1,272	38	42.6	+2.4	74	20	19	15	31	5.82	+3.56	3.86	0.5	10	9	4	17	......	S. W. Smith.
Chambersburg	Franklin	580	35	46.2	+4.3	71	4†	21	15	34	4.67	+1.97	1.38	T.	10	10	8	12	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	45.4	+4.6	70	20	15	15	45	3.83	+0.78	0.80	5.0	14	8	8	14	se.	E. W. Hess.
Coatesville	Chester	380	47	46.6	+3.8	73	20	22	15	32	4.73	+1.57	0.96	T.	12	9	5	16	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	44.0	+2.4	70	20	19	15	33	3.56	+0.98	0.76	T.	12	15	2	13	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	43.4	+4.2	68	20	15	15	33	3.93	+1.04	0.90	4.5	17	4	7	19	sw.	T. B. Lloyd.
Ephrata	Lancaster	380	42	47.0	+4.1	73	20	24	15	35	3.88	+1.41	1.11	T.	10	11	6	13	n.	Ira J. Keath.
Freeland	Luzerne	1,970	41	41.4	+4.4	73	20	15	15	25	5.25	+1.57	1.84	2.5	17	8	5	17	nw.	Theo. Reichmaun.
George School	Bucks	190	28	47.6	+4.4	75	20	19	15	34	3.11	+0.52	0.92	T.	10	17	3	10	nw.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	47.2	+5.2	74	19	23	15	34	4.13	+1.43	1.31	T.	11	13	6	11	sw.	Dr Henry Stewart
Gordon	Schuylkill	840	30	43.9	+4.3	73	20	17	15	38	6.42	+3.28	1.90	3.0	13	11	3	16	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	36.8	+0.6	60	30	12	15	22	3.95	+0.68	0.75	1.8	16	10	9	11	w.	Ronald H. Marshall.
Hamburg	Berks	535	41	......	......	74^{n}	20	23^{n}	15	42^{n}	2.79	−0.09	1.10	T.	9	....	....	....	......	State Sanatorium.
Hanover	York	600	30	48.4	+3.8	75	19	21	15	33	2.63	+0.49	0.73	T.	10	14	4	12	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	47.3	+4.5	70	4	27	15	27	3.82	+1.56	1.04	T.	12	10	6	14	w.	U. S. Weather Bureau.
Hawley	Wayne	900	16	41.3	+1.8	73	20	13	15	35	2.80	+0.08	0.77	2.1	17	9	9	12	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	45.8	+1.0	64	23	28	15	18	4.15	+1.83	1.55	T.	10	12	4	14	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	47	45.2	+3.5	71	18	18	15	39	2.87	+0.49	0.84	T.	11	10	3	17	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	45.6	+3.3	72	18	18	15	42	3.50	+1.56	1.01	0.5	13	7	3	20	......	Glenu R. Shaffer.
Kylertown	Clearfield	1,637	3	41.1	......	68	20	13	15	29	3.08	....	1.00	2.0	10	5	12	13	sw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	43.8	+0.4	67	17	20	15	42	3.40	+0.87	1.10	0	11	13	7	10	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	43.8	+4.8	73	20	13	15	34	2.10	−0.23	0.50	1.0	12	8	6	16	......	C. P. Darliug.
Lebanon	Lebanon	469	50	46.1	+3.6	74	20	23	15	36	4.30	+1.41	0.81	T.	14	15	5	10	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	44	45.7	+3.8	67	5	18	15	29	3.29	+0.88	0.78	1.2	14	4	11	15	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	51.0	......	70	3†	26	14	24	3.65	....	1.35*	T.	7	14	6	10	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	44.7	+3.7	75	19	22	3	39	7.38	+3.94	2.38	0.8	13	12	4	14	s.	R. K. Wintermute.
Mifflin	Juniata	445	30	47.2	+5.8	71	18†	21	15	40	4.06	+1.86	1.12	T	7	10	3	17	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	......	......	....	....	....	....	....	....	....	......	......	....	....	....	....	......	Vacant.
Mt. Pocono	Monroe	1,720	28	39.9	+3.6	74	20	16	13†	37	6.16	+3.15	2.30	2.0	11	10	5	15	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	41.8	+2.3	71	20	6	15	33	4.79	+1.69	1.57	3.0	9	12	3	15	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	46.4	+4.2	76	20	19	15	41	3.09	+0.67	0.87	T.	13	14	6	10	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	16	45.0	......	72	20	21	15	38	5.70	+2.81	2.28	T.	12	7	9	14	nw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	50.6	+4.9	75	20	28	15	23	2.64	−0.06	1.05	T.	11	10	6	14	nw.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	49.5	......	75	20	26	15	26	3.44	....	0.75	T.	12	9	9	12	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	49.4	+3.7	76	20	27	15	31	2.14	−0.21	0.60	T.	11	8	12	10	w.	Commandant. Navy Yard.
Phœnixville	Chester	100	24	......	......	73	20	......	....	....	3.97	+1.10	0.98	T.	11	11	12	7	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	49	45.0	+3.8	72	20	21	15	31	3.50	+0.36	0.87	T.	12	9	5	16	nw.	John E. Benner.
Reading	Berks	514	64	48.6	+6.1	76	20	26	15	26	2.85	+0.12	1.09	T.	11	9	7	14	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	1	44.0	......	73	20	18	15	30	4.06	....	1.10	3.0	13	9	8	13	nw.	Theodore J. Sampson.
Scranton	Lackawanna	805	40	45.6	+5.1	75	20	21	15	27	3.09	+0.32	0.83	T.	11	4	11	15	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	45.6	+3.9	70	4	20	15	36	5.04	+2.28	1.19	0.5	11	6	14	10	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	48.0	+3.2	70	20†	24	15	32	3.41	+0.59	1.25	......	11	9	5	16	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	46.4	......	71	19	24	15	30	5.70	....	1.75	T.	13	11	3	16	sw.	State Teachers College
State College	Center	1,217	50	43.2	+3.4	67	18	19	15	28	4.03	+1.62	1.24	T.	13	8	10	12	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	44.1	+3.6	76	20	17	15	48	5.91	+2.63	1.50	T.	17	13	8	9	n.	State Normal School.
Towanda	Bradford	754	40	44.2	+4.6	71	20	15	15	37	2.47	+0.30	0.62	0.4	14	7	3	20	w.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	41.2	+3.7	70	20	9	15	44	2.75	+0.13	0.61	0.5	13	7	6	17	e.	George W. Hill.
West Chester	Chester	455	85	......	......	71^{j}	19	27^{k}	16	27^{k}	4.32	+0.79	1.10	T.	10	12	6	12	ne.	Joseph W. Belt.
Williamsport	Lycoming	521	48	44.5	+3.4	64	20	21	15	33	4.32	+1.74	0.70	1.0	17	9	3	18	nw.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	45.2	+3.4	72	20	20	15	30	5.58	+2.26	1.59	1.5	11	12	7	11	sw.	Susquehanna Collieries Co
York	York	400	46	46.0	+3.0	71	18†	19	15	39	2.73	+0.24	0.57	0	11	12	6	12	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	46.8	+3.5	75	22	20	15	41	2.86	+0.31	0.82	0.4	14	5	5	20	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	40.0	+2.5	67	23	10	15	32	3.69	+0.68	0.82	7.0	16	6	11	13	......	Frank S. Fawcett.
Butler	Butler	1,077	21	44.4	+3.0	72	22	16	15	40	3.56	+0.68	0.95	3.0	10	11	14	5	w.	William C. Faust.
Chambersville	Indiana	1,047	4	43.2	+2.1	72	22	15	15	39	2.82	−0.13	1.01	3.3	10	8	11	11	sw.	John E. Lewis.
Clairton	Allegheny	1,020	2	46.1	......	80	22	21	15	42	2.05	....	0.84	0.4	12	8	4	18	s.	Carnegie Steel Co.
Claysville	Washington	1,150	29	46.7	+4.6	75	22	16	15	40	2.41	−0.01	0.98	1.3	11	8	9	13	s.	J. L. Melvin.
Corry	Erie	1,430	21	42.0	+3.3	70	22	14	15	34	5.71	+1.49	1.00	11.4	18	13	7	10	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	46.8	+4.9	71	22	20	15	33	3.29	+0.56	1.20	T.	10	9	11	10	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	42.6	+4.5	70	20	14	15	25	3.42	+0.21	1.05	8.0	11	9	13	8	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	41.7	+3.7	72	20	10	15	38	3.04	−0.11	1.80	8.0	7	5	11	14	w.	J. S. Stevanus.
Franklin	Venango	957	60	42.8	+3.2	72	22	16	15†	39	3.37	+0.25	0.67	6.5	18	4	5	21	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	46.4	+3.7	71	22†	19	15	34	2.65	+0.17	1.10	1.3	13	6	13	11	sw.	Westmoreland Water Co.
Greenville	Mercer	950	38	44.5	+5.0	72	22	21	15	37	3.46	+0.39	0.54	5.5	15	7	6	17	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	43.7	+3.3	75	22	20	15	31	2.65	−0.39	0.54	8.6	17	7	9	14	s.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	46.0	+4.2	72	18	21	15	33	3.24	+0.21	0.91	3.0	15	7	7	16	s.	Robert Tross.
Kane (near)‡‡	Elk	2,020	2	38.6	......	62	20	10	15	27	4.26	....	0.86	9.0	17	5	3	22	sw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	42	47.0	+4.7	69	20†	20	15	29	3.58	+0.84	1.40	1.0	8	5	7	18	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	44.8	+6.0	72	22	21	15	34	3.20	−0.39	0.64	4.3	15	5	2	23	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	45.7	......	73	22	20	15	36	2.41	....	0.82	1.5	12	7	8	15	nw.	Fred Hoffman.
New Castle	Lawrence	808	54	44.3	+4.3	74	23	21	15	33	2.86	+0.46	0.74	3.3	24	4	19	7	nw.	New Castle Water Co.
Newell	Fayette	800	14	45.6	+2.0	73	23	18	15	32	2.50	+0.22	1.00	T.	9	5	13	12	se.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	46.8	+3.6	73	22	25	15	29	2.63	+0.34	0.90	1.7	13	3	12	15	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	41.6	+2.9	72	20	8	15	43	3.59	+0.75	1.02	7.0	13	3	7	20	sw.	West Penn. Power Co.
Sharon‡‡	Mercer	940	21	43.8	+2.5	72	22	22	15	35	1.16	−1.31	0.46	1.9	9	7	10	13	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	41.0	+2.2	72	20	6	15	43	3.44	+0.01	1.08	4.5	10	2	6	22	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	47.9	+4.3	75	22	18	15	40	3.03	−0.13	1.13	4.5	10	11	11	8	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	46.0	+3.3	72	22†	21	15	38	2.84	+0.08	0.83	2.0	9	10	11	9	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	42.4	+3.4	66	22	18	15	20	4.29	+0.78	1.00	9.0	16	5	8	17	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	46.4	......	75	21	17	15	46	2.63	....	1.02	T.	8	1	18	11	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	46.2	+4.8	72	22	27	14	28	2.96	−0.34	0.63	2.6	15	3	8	19	sw.	U. S. Weather Bureau.
For the State	......	......	....	44.9	+3.7	80	22	6	15	48	3.61	+0.75	3.86	1.8	12	9	7	14	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complet reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; c Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for November, 1934

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.06	.30		.15	.81	.10	.08		.06		.02		T.	.02						T.	T.	.01	T.	.72			.04	.05	.20	.43		3.05
Altoona	Juniata	.23			.83		.39	.05						.20										.94				.06	.20	.50	.28		3.68
Ansonia‖‖	W. Br. Susq	.13	T.		.73	.01	.35		.03	.05		.20	T.	T.	.06					.32				.65	.30			.03	.05	.35	.09		3.35
Ardmore	Lower Del	.15			1.02		.81	.01	T.		.04			T.								.02	T.	.14	.12		.01	T.	.02	.20	1.16		3.70
Arendtsville	Lower Susq	.28			1.04		.27																.08	1.04					.36	.22	.81		4.10
Baker's Summit	Juniata	.28			.57		.24					.03	.13											.96				.06	.12	.70	.15		3.24
Bedford	Juniata	.26	T.		.77		.27	T.	T.		.04	T.	T.	.03						T.			.05	1.04	T.		T.	T.	.10	.50	.20		3.26
Bellefonte***	W. Br. Susq	.05			.78	.22	.05	T.	T.		.04	T.	T.	.03	T.					.08		T.	T.	1.03	T.		T.	.01	.02	.37	.21		2.89
Bethlehem	Lehigh	.36			1.20		.18			.04		.02	T	.02	.01					.01		.01	T.	.08	.64		T.	.03	.14	.16	1.27		4.17
Bloserville‡‡	Lower Susq	.10			1.88		.10							T.										1.30					.50	.70	2.00		6.58
Buffalo Mills	Juniata	.30			.82		.19					.10												.75	.35			.05		.45	.42		3.43
Carlisle	Lower Susq	.31			.87	T.	.15		T.		T.		T.	T.								T.	.06	.76	.20		T.	.22	.28	.37	.68		3.90
Catawissa‡	N. Br. Susq	.40			1.30		.10	T.	.03					.10										.25			T.	1.10		.47	1.20		4.95
Center Hall	Susquehanna	T.			.29		.02	.01	.02				T.	.10									.08	3.86				.10		.14	1.20		5.82
Chambersburg	Potomac	.27			.91		.06	T.			.06	T.	T.	T.									T.	.97	.13		T.	.09	.13	.67	1.38		4.67
Clearfield	W. Br. Susq	.29			.68	T.	.10	.10	.30			.10	.05	.20	T.					.38		.25	T.	.80			T.	T.	.03	.25	.30		3.83
Coatesville	Lower Del	.31			.67		.96		T.		.02		T.									.02		.28	.40		.02	.07	.46	.64	.88		4.73
Colebrook	Lower Susq	.43			.65		.76		T.		T.	T.	T.	.01								.01	.22	.36	.34		T.	.11	.06	.36	.25		3.56
Conshohocken	Schuylkill																																
Cresson‡	Juniata	.35			.59	.27							.30	.13						.04				1.10				.09	.12	.28	.22		3.49
Doylestown	Lower Del	.17			.90		.32			.01		.06		T.								.03	T.	T.	.53		T.	T.	.12	.02	.92		3.08
Emporium	W. Br. Susq	.33			.61	.06	.16	.22	.06		.14	.05	.10	.36					.07	.39			T.	.90				.01	.06	.31	.10		3.93
Ephrata	Lower Susq	.41			.27		1.05			T.		T.	T.	T.						T.		T.	.02	.30	.37		T.	.04	.02	.29	1.11		3.88
Forest City	N. Br. Susq	.18	.35		.19		1.00	.17					.37	.10	.30					.15			.05	.54	.50		.05		.07	.10	.45		4.57
Freeland‖‖	Lehigh	.44	.16		.91	.93	.40	.07	.01	.06		T.	T.	.02	.21						T		.04	.01	1.10			.03	.12	.35	.39		5.25
Galeton	W. Br. Susq	.27			.95		.24	.14	.08			.10	.24	.17						.41			.02	.80	.14			.07		.31	.14		4.08
George School	Lower Del	.16	T.	.01	.92	T.	.45			.05	T.	.12		T.											.27		.03	T.	.09	.09	.92		3.11
Gettysburg	Potomac	.16			1.31		.34				T.	T.										.01	T.	.66	.21		.02	.25	.16	.47	.54		4.13
Girardville‖‖	Lower Susq	.40	.04		1.75		.54	.03	.10				.03	.12			T.					.11	.02	1.23			.01	.13	.25	.35	1.04		6.15
Gordon	Lower Susq	.54			1.90		.63		.02	.08		T.	T.	.18								T.	.21	.71	.38	T.		.10	.29	.44	.94		6.42
Gouldsboro‖	Lehigh	.45			.55	.38	.18	.21	.05	.05					.25							.02	.05	.06	.75	.05			.15	.10	.65		3.95
Graterford	Schuylkill	.37			.93		.31					.04		T.								.02		.06	.87			T.	.42	.33	.38		3.73
Hamburg	Schuylkill	*			*		*			.55			T.	T								.02		.12			T.	T.	.55	.45	1.10		2.79
Hanover	Lower Susq	.18			.73		.14				T.		T.									T.	.01	.48	.39		T.	.14	.03	.42	.11		2.63
Harrisburg***	Lower Susq	.22			1.04	.06	.09	T.	T.		.02		T.	T.								.01	.04	.99			T.	.18	.25	.31	.61		3.82
Hawley‖‖	Upper Del	.29	.36		.02	.61	.13	.01	.03	.10		T.	T.		.13						.04	T.	.02	.02	.75			.01	.12	.11	.05		2.80
Hollisterville	Upper Del	.20	.42		.15	.61	.15	.11	.04	T.	T	T.	T.	.02	.08	T.					T	.02	.01	.02	.64			.05	.18	.10	.06		2.86
Holtwood‡‡	Lower Susq	.02		.05	.38		.61				T.		T.	T.								T.	.08	T.	.54			.04	.10	.78	1.55		4.15
Huntingdon	Juniata	.14			.65		.30	T.			.01	.03		T.										.84	.03		T.	.03	.10	.60	.14		2.87
Hyndman	Potomac	.15			.72		.05				.05		.07	.09	.04									1.01	.05			.06	.09	1.00	.12		3.50
Kylertown	W. B. Susq				1.00		.15	.13	.03			.26		T.							.09			.62	T.			.02		.56	.22		3.08
Lakeville‖‖	Upper Del	.23	.26		.28	.40	.13	.03	T.	.08				T.	.18								.03	.02	.72			.04	.18	.10	.11		2.79
Lancaster	Lower Susq	.30			.35		1.10													.02		.01		.40			.02	.05	.12	.12	.91		3.40
Lansford‖‖	Lehigh	.09	.38		*	1.58	.19	.04		.07					.10						T.	T.	.06		.95			.07	.10	*	.82		4.45
Lawrenceville	N. Br. Susq	.35	T.		.50			.05	.10			.10	.10	.10	T.					.10				.40	.10				T.	.10	.10		2.10
Lebanon	Lower Susq	.42			.40	.49	.80	.02				.01	T.	.04								.10		.81			.15	.09	.06	.31	.60		4.30
Lock Haven	W. Br. Susq	.20			.78		.23		.01			.05		.12						.21			.01	.76	.23			.03	.08	.25	.33		3.29
Marcus Hook	Lower Del	.05			.38		.92				.07			T.								T.			.77		T.	T.	.11		1.35		3.65
Matamoras‖‖	Upper Del			.46	.12	.86								.25									.05		.70				.06	.08	.13		2.71
Mauch Chunk	Lehigh	.56			2.38		.31		.06					.23								.02	.03	.49	.25		T.	.16	.60	.39	1.90		7.38
Mifflin	Juniata	.26			1.01									T.									T.	1.12	.24			T.	.28	.42	.73		4.06
Montrose	N. Br. Susq																																
Morris Run	N. Br. Susq	.18			.84		.45		.10			.10	.06	.06	.07					.41			.04	.40	.48			.08	.10	.36	.34		4.07
Mount Pocono	Upper Del	.20			2.00		.29							T.	.08							.14	.03	.50	.26				.20	.16	2.30		6.16
Muncy Valley	W. Br. Susq	.39			1.57		.46		.03				T.	.27	T.					T.			T.	.85	.40			T.	T.	.39	.43		4.79
Neshaminy‖‖	Lower Del	.18			.79		.48		.02		.08	.03		T.								.02		.10	.18		.03	T.	.03	.28	.87		3.09
New Park	Lower Susq	.23			.57																		.23	.57			.10	.24	.20	.50	1.30		3.94
Newport‖‖	Juniata	.30	T.		1.20	.38	.30	.03							T.								.07	.14	1.25			.13	.12	.06	.32		4.30
Palmerton‡	Lehigh	.36			1.37		.04	T.	.11		T.		T.	.02						.03		T.	T.	.57	.13		T.	.19	.41	.19	2.28		5.70
Paupack‖‖	Upper Del		.60		.84		.16								.18								.08		.89			.13	.22	.21	.10		3.41
Philadelphia***	Lower Del	.10			.42		.62	T.	T.		.08		T.	T.								.01	T.	.15	.17		.01	T	.01	.34	.73		2.64
Philadelphia-Gtn	....do	.16			.53		.75	T			T.	.08		T.								.03		*	.41		.01	.02	.05	.75	.65		3.44
Phila. Navy Yard‖‖	....do		.04		T.	.46	.60	.08	T.			.05	T.									T	.01		.35			.04	.01	.02	.48		2.14
Phila-P'nt Breeze.‡	Lower Del	.06			.61		.70	T.	T.	T.	.06	T.	T.									.01		.33			.01	.03	T.		1.42		3.23
Phoenixville	Schuylkill	.20			.73		.71			.13		.03	T.												.98		.02	.14	.22	.14	.67		3.97
Pine Grove	Lower Susq	.35			1.53		.55		.02		.02			.10								.07	.09	.97			T.	.14	.04	.50	.45		4.83
Pleasant Mount	Upper Del	.47			1.69		.17		.24					.43						.24				.89						.44	1.00		5.57
Pottstown	Schuylkill			.12			.55	T.	T.		T.		T.	T.						T.		.02	.01	.40	.18		T.	.13	.15	.10	.88		2.54
Pottsville	Schuylkill	.29			1.70		.35	T.		.08		T.	T.	.07						T.		T.	.05	.57	.45		.01	.21	.21	.27	.85		5.11
Quakertown	Lower Del	.35			.58		.33					.07		T.								.04	.02	.09	.78		T.	.03	.23	.11	.87		3.50
Reading***	Schuylkill	.29			.13	T.	.59	T.	T.		T.		T.	T.						T.		.01	.01	.38	.19		T.	.15	.14	.10	.86		2.85
Renovo‖‖	W. Br. Susq	.12	T.		.37	.18	.16	.07				.12	.02	.10	.14					.11	.05	T.		.67	.43			.02	.05	.20	.23		3.04
Retreat	N. Br. Susq	.55			.94		.15		.02	.05		.05		.11										.55	.34			.08	.03	.09	1.10		4.06
Scranton***	....do	.54			.69		.11	.01	.03			T.	T.	.03	T.				T.	T.	T.		T.	.71	.12			.03	T.	.04	.78		3.09
Selinsgrove	Lower Susq	.28			1.19		.60							.08									.02	1.05	.25			.11	.05	.36	1.05		5.04
Shawmont	Schuylkill	.10			.95		.36	T.		T.	T.	.03										.02	T.	T.	.55		.01	.01	.11	.01	1.25		3.41
Shippensburg	Lower Susq	.38			1.35		.08	.01			.05	.05	T.	T.								T.		1.10	.12		.01	.07	.08	.65	1.75		5.70
Snow Hill‡‡	Upper Del	.40				1.59		.11	.05						.04										.94				*	*	2.10		5.23
State College	W. Br. Susq	.15			1.04	T.	.34	.04	.02		T.	.03	T.	.04	T.					.09		T.	T.	1.24	T.		T.	.03	.07	.66	.34		4.09
Stroudsburg‖‖	Upper Del	.06	.28			1.21	.08	.10		.10		.01	.02		.08							.10	.04	.03	.90			1.10	.11	.19	1.50		5.91
Sunbury	Lower Susq	.11	.39		.97		.77								.20										1.38			.08	.06	.05	.29		4.30
Towanda	N. Br. Susq	.06	.02		.45		.30	.04	.06			T.	T.	.02	.01					.29				.62	.24			T	.03	.14	.19		2.47
Weikert	Lower Susq																																
Wellsboro	W. Br. Susq	.02			.49	T.	.47	.04	.03				.04	.19	T.		T			.30		T.		.61	.21		T.	T.	.06	.14	.15		2.75
West Chester	Lower Del	.30			.80		1.10						T.									T.		*	.80		.03	.03	.27	.09	.90		4.32
Westgrove‖‖	....do	.03	.04		.32	.70	.86	.14				.09	T	.02											.77			.03	.04	.24	.76		4.04
Wilkes-Barre‖‖	N. Br. Susq	.20	.24		.03	.89	.09	.06	T.	.05				T.	.08						T.			T.	.86			.03	.02	.02	.05		2.62
Williamsport‖‖	W. Br. Susq	.12	.05		.68	.51	.38			.02		.01		T.	.16					.05	.01		.13	.45	.70			.02	.13	.60	.30		4.32
Williamstown	Susquehanna	.42			1.59		.74		.02				T.	.16	T.							T.	.11	.78			T	.07	.20	.40	1.09		5.58
York	Lower Susq	.27			.57		.31															T.	.08	.43	.36		.02	.10	.08	.25	.26		2.73
York Haven‖‖	Lower Susq	.25			.36	.38	.25																.06		.62			.09	.05	.06	.31		2.43
Zionsville..(near)	Schuylkill	.38			1.45			.43			.03			T.	.01							.03	.01	.23	.64		.02	.02	.30	.16	1.70		5.41
Trenton, N. J***	Lower Del	.09			.30		.36	T.	.01		.10	T.	T.	T.						T.	T.	.03		.10	.15		.01	T.	.01	.10	.71		1.97

Continued on page 54.

Daily Precipitation for November, 1934—Continued from page 53

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.07	.04		.64	T.	.39	.01		T.		.03	.02	.03	.07					T.	.56			.82	.02			.04	T.	.12	T.		2.86
Beaver Falls‖‖	Beaver	.04	.01		.44		.92	T.		.01		.01	.11	.03	.09					.06	.60			.71	.03			T.		.19	T		3.25
Brookville	Allegheny	.13	.13		.82		.34		.07	.02		.07	.10	.13	.57					.11	.06			.58	.38			.05	T.	.13	T.		3.69
Butler	Ohio																																
Chambersville	Allegheny	.01			.58	.02	.48					.02	.03	.25						.39				1.01	T.						.03		2.82
Clairton‡	Monongahela	T.			.45	.16	.03				.01	.03	T.	.04	T.					.32			.02	.82					.06	.06	.05		2.05
Claysville	Ohio	.12	.05		.52	T.	.46				T.	.01	.07	.03						T.				.98	.04				T.	.08	.05		2.41
Clymer‡‡	Conemaugh	T.										1.20		1.28									.80				.60	.40					4.28
Confluence‖‖	Youghiogheny	.50	.18		.58		.45						.27	.10	.17									.58	.63					.43			3.89
Corry	Allegheny	.25	.06		.76	.07	.11	.14	.39			.57	.25	.40	.10				1.00	.51				.53	.02				.03	.45	.07		5.71
Derry	Conemaugh	.28			.49	T	.42	T.				.05	.05	.26						.12				1.20						.37	.05		3.29
Donora‖‖	Monongahela	.24			.48		.21			T.		.05	.10	.01	.05									.89	.05					.13	.44		2.65
Ebensburg	Conemaugh	.28			.56		.15	T.				.02	.40	.20	.10					.04				1.05	T.			T.		.44	.18		3.42
Elk Lick	Youghiogheny										.20	.20	.20	.20										1.80						.04	.40		3.04
Franklin‖‖	Allegheny	.06	.14		.67		.33	.04	.14	.05		.14	.34	.07	.24					.29	.03			.57	.08			.03		.08	.07		3.37
Greensboro	Monongahela	.64	T.		.65		.08	T.				.10	.09	.02	.01									.89	.21					.26			2.95
Greensburg	Youghiogheny	.24	.04		.41		.23	.01			T.	.01	.07	.15	T.					.11				1.10	T.			.02	T	.25	.01		2.65
Greenville	Beaver	.22	.16		.50	.12	.10	.10	.12		.10	.11	T.	.54						.36				.50					.03	.48	.02		3.46
Grove City	do	.11	.02		.48	.54	.18	.01	.10		.04	.06	.12	.54	.02					.09				.15				.02	T.	.16	.01		2.65
Herrs Isl. Dam‖‖	Ohio	.10	.01		.45		.54	T.		T.		.10	.05	.03	.10						.56			.90	T.			T.		.07	T		2.91
Irwin	Monongahela	.15	.06		.55	T.	.20					.16	T.	.31	.07					.40				1.07	T.			.04		.17	.07		3.25
Johnstown	Conemaugh	.27	T.		.58	.08	.10	.03	T.		.06	.03	.15	.35	T.					.03				.91				.03	.03	.43	.16		3.24
Kane (near) ‡‡	Allegheny	.26	.03		.73	.01	.33	.18	.22		.03	.01	.09	.58	.17					.61	T.			.86				.06	T.	.08	.01		4.26
Kregar‖‖	Youghiogheny	.04		.75		.39					.07	.10	.05	.15						T.			.72	.60					.30	.02	.52		3.71
Lake Lynn‖‖	Monongahela	.70	.01		.56	T.	.09					.16	.15	.02	.01								.64	.52						.23			3.09
Linesville‖‖	Beaver	.24	.27		.59	T.	.24	.06	.14	.13		.30	.20	.07	.46					.21	T.		.58					T.	T.	.40	.04		3.93
Lock No. 2‖‖	Ohio	.10	.03		.57		.41	T.				T.	.06	.02	.11						.59			.90						.26			3.05
Lock No. 4‖‖	Monongahela	29	T		.52		.26	T.				.04	.06	.07	.02									.89	.12					.18			2.45
Lock No. 5‡‡‖‖	Allegheny	.12	.01		.41		.44	.01				.19	.02	T.	.18						.50			.53	.05			.02		.18	.01		2.70
Lycippus	Conemaugh	.65			.66		.27						.08	.12	T.									1.40	.02						.38		3.58
McKeesport‖‖	Monongahela	.03	T.		.35		.34					.06	T.								.40			.72	.01			.01		.13			2.05
Meadville	Allegheny	.28	.15		.10	T.	.18	.02	.22			.64	.03	.31	.02					.21				.42					.04	.55	.03		3.20
Mosgrove	do	.05	.02		.60		.67	.03	T.	.03		T.	.03	T.	.28	T.				T.	.57		.03	.61	.26			.03		.13	T.		3.33
Mount Lebanon	Ohio	.07			.43	.23	.02		T.		.01	.03	.05	.09	T.					.53				.82	T.		T.		.01	.12	T.		2.41
Natrona‖‖	Allegheny	.07	.01		.50		.39	T.				.29	.03	.04	.15						.43			.63	.06			.03		.15	.01		2.79
New Castle‖‖	Beaver	.15	T.	T.	.59	.01	.74	.02	.02	.02	.03	.04	.11	.09	.10	.01	.01			.05	.21	.01		.39	.07		.01	.02	.01	.12	.03		2.86
Newell	Monongahela	.25			.51		.19	.20						.10										1.00	.03					.20	.02		2.50
Parkers Landing‖‖	Allegheny	.22	T.		.68		.53	.08	.10	T.		T.	.15	.10	.50					T.	.10		T.	.83	.03			.08	T.	.09	.02		3.54
Pennline‖‖‡‡	Beaver	.25	.23	T.	.48	T.	.03		.10	.11		.33	.14	.06	.28	T.				.14	T.			.53						.44	.18		3.30
Pittsburgh***	Ohio	.03		T.	.40	.58	T.		T.		.02	.11	.03	.08	T.					.36			.05	.85			T.	T.	.01	.08	.03		2.63
Punxsutawney‖‖	Allegheny																																
Ridgway	do		T		1.02		.34	.17	T.			.12	.25	.25	.25	T.			.01	.20				.61	.30			.02		.05			3.59
Saltsburg‖‖	Conemaugh	.10			.51		.27					.05	.06	.04	.23						.25			.57	.44			T.		.20			2.72
Sharon‖‖	Beaver	.03	.02		.08		T.			.02			.09	.12	.17					T.				.46						.17	T.		1.16
Smethport	Allegheny	.23	.02					.02	.25			.02	.02	.05							.05	.02	T.	.25		.10							1.03
Somerset	Youghiogheny	.46	.07		.58		.39					T.	.11	.15	T.									1.08				.01		.44	.15		3.44
Springdale‖‖	Allegheny	.16	.05		.40		.25	.02				.02	T.	.02	.13						.55			.63	.07			T.		.18	T.		2.48
Uniontown	Monongahela	.46	.06		.55	T.	.08		T.		T.	T.	.33	.02						T.				1.13	.03				T.	.32	.05		3.03
Unity Reservoir‡‡	Youghiogheny	.24			.40		.28					.05	.20	.15	T.					.10				1.14				.04		.25	.06		2.91
Vandergrift‡	Conemaugh	.05			.52	.44	.02					.25	T.	.28						.40			T.	.83					.05				2.84
Warren	Allegheny	.25	.10		.74		.24	.15	.10	T.		.15	.15	.20	.10				.02	.92	.04			1.00						.08	.05		4.29
Waynesburg	Monongahela	.31			.62		.16					.11		.12										1.02						.21	.08		2.63
Westford‖‖	Beaver	.08			.78	.15	.03	.30	.03		.14	.05	.08	.04	.02	.02		.18						.62						.65	.15		3.32
West Newton‖‖	Youghiogheny	.17			.40		.34					.09	.03	.04										.97	.16					.12			2.32
Lake Drainage.																																	
Erie***	Lake Erie	.07			.26	T.	.04	.05	.01		.37	.04	.04	.02	T.			T.	T.	.30	T.		.22	.30	T				.13	.48	.63		2.96
																						T.											

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Clymer, Indiana: of Pennline, Linesville: of Snow Hill, Analomink: of Unity Reservoir, Greensburg: of Girardville, Shenandoah: of Kane, Wilcox: of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.07	30.52	25	29.38	13	16.4	48	s.	22	75	69	73	19
Harrisburg	30.13	30.61	26	29.48	1	7.9	29	w.	7	75	56	64	47
Philadelphia	30.15	30.66	26	29.47	7	13.4	44	s.	4	73	60	66	51
Pittsburgh	30.13	30.52	15	29.60	7	9.6	38	se.	26	74	61	68	39
Reading	30.14	30.64	26	29.49	1	13.6	41	s.	4	73	60	67	43
Scranton	30.13	30.63	26	29.43	13	7.5	23	se.	22	82	68	73	40

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.5	4.8	6	2.7	1	18
Phillipsburg	Delaware	3.1	5.6	6	1.9	2	22
Mauch Chunk	Lehigh	3.3	5.4	5	2.2	1	17
Wilkes-Barre	Susquehanna	4.8	7.6	25	2.9	2	20
Williamsport	Susquehanna	3.1	6.1	25	1.2	3	20
Harrisburg	Susquehanna	4.6	5.9	27	3.7	1	17
Greensboro	Monongahela	11.4	16.2	25	10.4	1	30
West Newton	Youghiogheny	1.4	4.6	24	0.4	1	20
Lock No. 4	Monongahela	12.1	15.4	25	10.8	1	30
Pittsburgh	Ohio	*	15.0	25	10.0	1	25
Beaver Dam	Ohio	*	14.1	25	9.1	3	30

*—Pool stage.

Daily Temperatures for November, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	48	48	67	60	63	54	55	56	46	46	48	37	40	36	44	51	61	67	61	74	53	64	68	51	49	36	49	57	60	65	....	53.5
	Minimum	35	29	27	30	41	44	41	38	34	33	34	36	30	32	23	26	35	39	37	40	44	47	51	40	31	26	27	36	49	67	....	36.4
Altoona	Maximum	52	45	47	66	61	59	54	67	48	49	46	35	35	35	35	44	61	70	64	66	61	63	64	46	44	37	41	64	67	58	....	61.8
	Minimum	36	27	26	45	43	43	36	35	27	29	32	27	25	27	20	33	39	44	40	41	45	51	46	32	24	27	34	40	51	51	....	35.9
Bedford	Maximum	64	46	64	66	65	55	56	58	48	50	45	36	45	40	44	54	61	70	66	69	61	64	63	53	46	41	45	69	60	61	....	61.5
	Minimum	37	29	21	47	36	43	40	35	27	27	34	30	28	28	18	28	33	33	35	36	41	52	52	35	27	27	37	41	42	43	....	34.7
Bellefonte	Maximum	48	43	52	66	62	60	51	52	45	47	41	34	38	36	41	51	60	68	59	64	60	63	62	40	45	37	47	59	69	65	....	61.5
	Minimum	32	25	21	50	38	40	38	34	27	28	33	28	28	19	17	27	35	36	41	39	50	54	40	33	27	30	35	43	55	51	....	35.1
Brookville	Maximum	50	36	43	59	60	60	49	47	45	45	48	38	34	33	29	39	45	58	64	54	66	60	67	62	34	47	41	54	60	61	....	49.3
	Minimum	29	26	21	33	32	34	36	33	20	26	29	28	26	24	10	13	18	37	36	33	34	40	61	32	21	26	34	40	48	49	....	30.6
Butler	Maximum	42	43	63	62	60	58	49	47	49	47	45	35	34	32	48	50	60	66	64	66	65	72	70	42	42	43	62	63	66	70	....	53.8
	Minimum	32	24	23	47	32	40	40	28	25	29	28	28	26	25	16	19	36	39	37	39	38	51	42	32	32	30	38	60	50	50	....	34.2
Carlisle	Maximum	54	54	56	71	65	58	60	59	55	43	45	40	43	43	48	56	65	71	72	73	60	65	65	53	48	48	43	54	58	63	....	56.3
	Minimum	31	28	23	40	38	48	42	36	30	28	34	34	28	25	22	26	29	38	36	39	45	62	53	38	30	22	34	43	53	55	....	36.0
Catawissa	Maximum	53	45	49	68	67	56	61	55	47	47	54	41	38	38	44	52	62	68	63	71	58	64	61	53	51	40	48	59	60	64	....	54.6
	Minimum	38	26	27	46	42	43	48	37	29	30	32	30	30	28	19	29	28	35	40	40	45	51	50	36	27	25	36	47	56	52	....	36.7
Chambersburg	Maximum	54	51	56	71	66	58	62	56	52	43	42	40	46	43	50	57	64	68	71	70	55	68	63	53	48	41	42	53	57	64	....	65.5
	Minimum	44	29	25	44	38	48	40	36	30	29	35	34	30	30	21	29	30	35	37	42	44	53	53	37	29	26	35	42	52	54	....	37.0
Chambersville	Maximum	59	48	43	63	64	47	53	55	48	48	40	37	35	35	38	44	60	68	58	68	64	72	66	45	46	41	54	60	62	67	....	52.9
	Minimum	31	31	28	38	38	40	37	33	23	32	30	27	24	24	15	28	21	43	37	39	47	45	35	31	25	30	37	42	43	48	....	33.4
Claysville	Maximum	67	47	68	61	63	53	57	58	48	48	45	33	41	39	47	57	61	66	69	70	74	75	69	45	45	47	64	68	65	72	....	57.1
	Minimum	34	20	28	51	38	38	42	38	21	37	31	28	27	23	16	24	40	42	50	40	50	53	40	33	24	29	42	45	54	51	....	36.3
Clearfield	Maximum	55	58	65	63	63	52	48	58	55	54	51	47	40	42	38	55	67	67	56	70	65	58	51	60	58	52	56	66	64	64	....	56.6
	Minimum	26	31	20	32	35	32	31	30	31	30	43	32	28	25	15	35	40	43	40	52	35	35	39	36	26	28	35	50	42	46	....	34.1
Coatesville	Maximum	56	49	56	69	68	54	60	55	47	48	48	42	45	44	43	50	63	67	69	73	53	68	70	63	46	38	47	61	61	65	....	55.6
	Minimum	40	30	24	50	44	43	42	35	33	30	34	31	28	27	22	29	33	40	37	42	43	52	54	36	30	29	34	46	52	56	....	37.5
Corry	Maximum	43	45	62	56	57	51	45	40	50	45	49	37	34	33	40	50	50	61	62	67	62	70	61	36	47	41	60	57	60	65	....	51.2
	Minimum	26	20	28	45	39	35	35	32	26	22	29	28	25	26	14	18	36	44	47	48	47	49	33	30	25	24	32	40	41	44	....	32.9
Emporium	Maximum	41	42	54	61	60	61	49	45	42	48	42	36	37	37	41	49	58	62	59	68	56	64	65	45	47	38	46	58	62	63	....	50.9
	Minimum	35	24	21	48	42	42	38	38	24	32	33	31	30	25	15	18	30	40	47	45	41	55	43	35	28	25	38	46	55	53	....	35.9
Erie	Maximum	40	45	65	60	58	48	48	45	43	47	41	35	39	34	44	53	62	63	62	67	67	72	55	38	40	44	57	63	57	68	....	52.0
	Minimum	33	34	37	48	44	42	42	37	37	35	33	29	32	27	29	36	49	51	54	57	55	54	35	35	32	36	44	49	45	45	....	40.5
Franklin	Maximum	43	48	64	59	59	52	48	43	49	53	38	33	32	28	45	52	57	63	59	66	69	72	54	52	52	45	60	63	61	71	....	53.0
	Minimum	31	29	25	26	36	37	38	35	29	29	32	28	27	25	16	16	19	36	41	40	40	41	52	33	26	26	33	40	48	49	....	32.7
Freeland	Maximum	46	43	50	62	63	49	48	41	38	42	44	34	32	32	38	45	60	66	65	73	59	54	55	49	48	33	42	52	54	60	....	49.2
	Minimum	31	23	27	40	41	37	34	33	26	27	30	26	22	20	15	27	35	43	48	51	41	41	49	28	23	21	27	40	60	53	....	33.6
Gettysburg	Maximum	54	51	56	69	66	57	63	54	51	44	45	41	46	45	48	57	65	70	74	73	62	67	64	54	48	42	42	55	59	64	....	56.2
	Minimum	43	28	26	44	41	47	40	39	32	31	35	34	29	33	23	31	33	40	40	46	42	52	53	39	31	29	35	42	53	54	....	38.2
Greensburg	Maximum	59	44	66	60	62	50	55	56	46	48	47	35	39	37	41	54	61	67	61	69	65	71	67	43	50	45	60	63	68	71	....	55.3
	Minimum	36	29	32	40	48	40	39	35	27	36	32	20	27	27	19	26	41	44	49	40	56	56	43	32	28	34	38	43	54	50	....	37.4
Grove City	Maximum	50	47	59	56	51	48	44	43	42	42	40	31	37	37	41	42	53	56	57	61	61	75	67	39	40	43	54	63	62	62	....	50.1
	Minimum	33	26	33	50	41	38	41	33	30	34	30	26	28	25	20	27	41	45	52	50	51	56	36	31	28	33	40	49	49	48	....	37.3
Hamburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Harrisburg	Maximum	52	49	54	70	62	54	58	57	47	45	45	39	44	40	48	54	62	68	67	69	54	66	61	51	48	38	46	60	60	66	....	54.5
	Minimum	39	33	33	49	47	46	43	40	36	35	37	32	30	28	27	38	38	41	44	45	48	53	51	36	33	30	34	46	54	56	....	40.1
Hawley	Maximum	49	43	51	61	60	55	50	51	45	45	47	38	32	34	38	45	59	65	63	73	63	52	61	51	44	37	40	49	56	60	....	50.6
	Minimum	32	22	17	33	33	38	37	35	31	24	26	27	24	24	13	25	24	36	38	45	41	44	51	34	24	14	28	39	48	53	....	32.0
Huntingdon	Maximum	54	48	55	69	66	54	58	58	49	46	43	40	43	39	47	57	64	71	64	70	59	66	65	50	59	39	44	57	61	61	....	55.2
	Minimum	37	24	20	50	38	46	40	37	27	27	34	32	30	29	18	24	26	32	37	38	43	54	49	36	26	21	36	42	54	53	....	35.3
Johnstown	Maximum	52	49	58	65	66	49	57	60	50	52	45	40	38	36	45	55	62	72	62	68	54	68	65	65	51	40	50	59	61	64	....	55.3
	Minimum	34	32	25	48	46	43	40	36	30	33	32	28	28	28	21	32	36	39	39	39	40	53	43	34	29	29	39	46	53	50	....	36.8
Lancaster	Maximum	42	41	49	59	58	57	53	51	50	44	45	43	44	42	39	42	67	62	66	63	54	62	65	58	40	39	47	59	60	65	....	52.2
	Minimum	40	27	24	41	36	46	42	32	29	30	35	35	28	30	20	23	25	31	31	37	37	52	52	38	28	25	35	45	51	54	....	35.3
Lawrenceville	Maximum	49	45	56	66	63	55	50	44	45	48	45	38	38	36	45	53	62	70	62	73	61	61	62	52	45	37	45	56	60	61	....	52.8
	Minimum	33	22	22	44	46	43	34	35	25	30	27	29	27	25	13	26	28	36	45	44	43	51	52	32	28	20	35	44	55	49	....	34.8
Lebanon	Maximum	61	48	60	69	65	56	58	58	50	47	48	40	42	37	47	55	65	70	69	74	61	66	61	59	48	38	49	60	60	65	....	56.2
	Minimum	35	28	27	36	39	43	30	34	31	33	34	36	28	33	23	29	30	34	37	42	47	49	54	40	31	28	30	37	49	54	....	36.0
Marcus Hook	Maximum	52	57	70	70	66	63	60	54	55	53	52	46	46	46	53	63	67	66	68	68	67	68	64	48	48	54	66	64	65	67	....	59.5
	Minimum	35	34	48	48	46	46	43	36	39	39	38	33	36	26	36	39	44	43	46	50	50	57	43	33	34	38	50	55	58	53	....	42.5
Meadville	Maximum	46	46	62	59	60	59	47	43	45	47	42	34	37	37	42	50	61	63	60	68	70	72	70	38	47	46	59	63	57	66	....	53.2
	Minimum	30	28	31	46	37	38	40	33	29	35	31	28	27	25	21	23	41	46	47	47	49	52	36	33	27	33	39	43	48	46	....	36.3
Mifflin	Maximum	56	49	56	70	70	62	58	60	58	48	46	44	42	42	49	58	68	71	70	71	68	65	64	67	48	47	44	55	59	71	....	57.9
	Minimum	43	29	22	44	39	46	42	33	29	29	34	33	29	32	21	29	29	31	37	43	42	52	54	38	27	24	35	43	52	53	....	36.5
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Muncy Valley	Maximum	50	44	52	64	61	55	50	46	44	42	46	45	31	34	39	46	57	61	55	71	60	60	60	52	43	38	44	55	59	61	....	50.8
	Minimum	34	20	23	48	40	40	34	28	24	27	28	29	27	23	6	22	25	32	40	39	42	50	52	33	28	21	33	42	45	52	....	32.9
Philadelphia	Maximum	58	50	59	69	66	58	60	54	49	52	51	44	46	42	48	54	64	68	69	75	55	68	70	57	49	43	54	67	64	66	....	57.6
	Minimum	43	37	39	52	55	47	46	43	39	40	41	35	33	30	28	38	41	48	47	52	52	52	56	38	35	35	39	50	56	60	....	43.6
Pittsburgh	Maximum	41	44	65	60	62	46	52	53	45	48	38	32	40	35	43	54	60	65	63	67	67	73	58	38	49	44	60	66	64	71	....	53.5
	Minimum	32	29	36	53	46	40	43	38	32	38	31	29	31	27	25	34	47	46	54	45	62	58	37	34	32	38	44	50	53	52	....	40.2
Quakertown	Maximum	54	47	53	64	63	53	55	54	47	48	47	43	41	41	42	50	60	66	65	72	62	65	68	54	45	38	46	56	59	64	....	54.1
	Minimum	43	29	22	42	37	39	38	36	33	27	31	34	27	28	21	30	29	35	35	44	43	49	50	36	29	25	31	45	53	57	....	35.9
Reading	Maximum	55	48	57	69	66	55	59	60	48	52	47	39	45	40	45	53	64	70	70	76	52	67	67	53	51	37	47	60	60	66	....	55.9
	Minimum	39	33	34	51	48	44	44	42	35	36	37	33	33	28	26	38	41	48	47	50	49	52	53	36	33	32	35	46	55	58	....	41.2
Ridgway	Maximum	39	43	59	59	57	50	47	43	45	48	42	36	35	30	41	50	58	64	55	72	62	68	55	52	47	39	50	59	61	68	....	51.1
	Minimum	31	23	25	32	33	35	35	36	21	37	32	27	28	23	8	14	15	37	38	41	42	50	52	32	24	25	31	38	48	52	....	32.2
Scranton	Maximum	52	44	55	64	62	49	52	50	40	47	45	36	37	37	40	49	60	66	63	75	53	61	62	46	41	40	48	58	61	66	....	52.0
	Minimum	34	30	28	50	48	43	40	37	32	36	36	31	30	26	21	38	34	47	50	51	47	50	46	35	29	28	34	46	58	57	....	39.1
Selinsgrove	Maximum	55	49	53	70	67	57	56	56	50	44	46	42	37	41	46	55	63	67	64	69	59	64	65	56	47	43	43	58	60	63	....	54.8
	Minimum	39	27	26	45	40	43	40	34	28	30	35	33	29	29	20	27	27	33	43	39	46	51	53	37	31	25	35	40	55	52	....	36.4
Somerset	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	50.8
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	31.1
State College	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	51.0
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	35.4
Stroudsburg	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	55.7
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	32.5
Towanda	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	52.5
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	36.0
Uniontown	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	57.9
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	37.9
Vandergrift	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	55.7
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	36.4
Warren	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	48.5
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	36.2
Waynesburg	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	57.6
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	35.1
Wellsboro	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	50.5
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	31.9
Williamsport	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	51.5
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	37.5
Williamstown	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	54.7
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	35.6
York	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	55.9
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	36.0

1.65
NP

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

Vol. XXXIX. December, 1934 No. 12.

GENERAL SUMMARY.

The average temperature and the average precipitation for the State were both somewhat below the December normal. Neither element was marked by unusual extremes. The month opened with mild temperature and general rains, the rains being mostly heavy over a belt extending from Franklin County, on the south-central border, to Wayne County in the extreme northeast. As a result, this was the only region in the State to show an excess in precipitation. Elsewhere the accumulated deficiency for the year was made a bit larger, and Erie closed the year with a deficiency of 13.09 inches. Harrisburg is the only first order station to show an accumulated excess. The snowfall was generally light in the eastern portion of the State, and in the extreme southwest, while a few northwestern counties reported near-normal amounts. The temperature deficiency for December accumulated chiefly during the second week, when departures of fifteen degrees or more below the normal occurred much of the time. Maximum temperatures were mostly recorded on the 1st, while the minima occurred generally on the 10th or 11th. Fields had little snow cover during the month, but the temperature conditions were such that not much was needed. Frost penetrated the ground to a considerable depth during the second week, but most of it melted gradually during the third week without much heaving of the soil. As a result the winter grains were mostly in good condition at the close of the month. Streams reached their highest stages in the eastern portion of the State on the 2d, following the heavy general rains of the 1st. In the Ohio watershed the streams were generally at moderate stages with the highest on the 27th or 28th. There was much cloudiness during the month, excepting the southeastern corner of the State, where sunshine was slightly excessive. Erie reported 12 per cent, and Pittsburgh 20 per cent of possible, while Philadelphia recorded 57 per cent of possible. Wind velocities averaged a little above the normal in most regions, but there were no severe or damaging storms. Most kinds of outdoor work made seasonable progress. Main highways were generally in good condition until the 19th when a light rain occurred with temperatures below the freezing point and formed an ice coating in many parts of the State that resulted in numerous accidents, and that delayed trafiic for a matter of 24 to 36 hours.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 90 stations, was 30.7°, or 0.4° below the December normal. The highest monthly mean was 37.1°, at Marcus Hook, and the lowest 22.0°, at Gouldsboro. The highest recorded during the month was 73° at New Castle on the 1st, and the lowest was —10° at Somerset, on the 11th. The greatest daily range in temperature was 42° at Elk Lick on the 27th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the records of 141 stations, was 2.55 inches, which is 0.61 inch less than the December normal. The greatest monthly amount was 5.63 inches at Lansford, and the least was 0.84 inch at McKeesport. The greatest amount recorded in any 24 consecutive hours was 3.60 inches at Arendtsville and Newport on Nov. 30-Dec. 1st. Snowfall averaged 3.0 inches, which is 5.2 inches below the normal December amount. The greatest total snowfall for the month was 15.5 inches at Corry; the greatest fall in 24 hours was 5.0 inches at Corry on the 19-20th and Elk Lick on the 7th.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	32.5	+1.4	62	−10	3.14	−0.02	5.57	1.44	5.2	9	8	8	15
1889	39.6	+8.5	73	0	2.77	−0.39	5.05	0.85	0.9	12	11	9	11
1890	27.2	−3.9	59	−11	3.97	+0.81	9.68	1.72	29.4	12	7	8	16
1891	38.4	+7.3	68	−3	4.09	+0.93	6.53	2.00	0.3	10	12	8	11
1892	27.8	−3.3	70	−13	1.69	−1.47	4.37	0.40	5.7	9	7	9	15
1893	32.2	+1.1	70	−7	3.06	−0.10	6.07	1.41	9.4	12	6	11	14
1894	32.4	+1.3	66	−28	3.95	+0.79	5.93	2.27	11.9	10	10	9	12
1895	34.2	+3.1	70	−10	3.22	+0.06	6.55	1.40	2.3	7	10	9	12
1896	30.6	−0.5	67	−13	1.20	−1.96	2.62	0.40	5.4	6	10	9	12
1897	33.0	+1.9	73	−6	3.95	+0.79	6.25	1.28	9.6	12	6	8	17
1898	29.8	−1.3	68	−11	2.98	−0.18	4.79	1.31	8.7	10	10	8	13
1899	31.5	+0.4	73	−11	3.04	−0.12	6.00	1.18	4 4	10	10	11	11
1900	31.2	+0.1	65	−2	2.08	−1.08	4.16	0.40	3.9	7	8	9	14
1901	29.1	−2.0	77	−18	5.91	+2.75	10.26	2.62	7.6	11	7	9	15
1902	28.4	−2.7	68	−12	5.54	+2.38	8.51	1.97	17.3	14	7	7	17
1903	25.4	−5.7	60	−14	2.66	−0.50	4.83	0.92	13.2	9	8	9	14
1904	25.8	−5.3	71	−19	2.48	−0.68	3.71	1.32	14.4	11	7	7	17
1905	33.6	+2.5	65	−5	3.57	+0.41	5.48	0.95	2.2	8	10	7	14
1906	30.8	−0.3	67	−14	3.97	+0.81	7.08	1.69	7.6	14	5	5	21
1907	33.2	+2.1	68	−8	4.30	+1.14	7.89	1.85	9.8	12	7	8	16
1908	32.0	+0.9	74	−2	2.86	−0.30	4.61	1.26	9.4	10	9	8	14
1909	27.0	−4.1	71	−10	3.39	+0.23	8.50	1.19	12.7	8	9	8	14
1910	24.4	−6.7	68	−14	2.65	−0.51	4.41	0.64	16.0	12	8	6	17
1911	36.3	+5.2	70	5	3.27	+0.11	5.99	0.75	5.4	13	7	5	19
1912	34.4	+3.3	74	−8	3.27	+0.11	6.48	1.70	8.1	9	9	7	15
1913	34.2	+3.1	66	−7	2.63	−0.53	4.11	0.69	7.2	8	9	7	15
1914	27.3	−3.8	69	−28	4.63	+1.47	7.74	2.43	13.0	14	8	5	18
1915	29.4	−1.7	70	−7	4.06	+0.90	6.53	1.36	13.7	12	6	8	17
1916	29.7	−1.4	73	−12	3.07	−0.09	6.38	0.59	10.5	12	11	9	11
1917	21.5	−9.6	52	−28	1.78	−1.38	5.16	0,60	15.0	8	10	8	13
1918	36.6	+5.5	72	−1	3.38	+0.22	5.74	0.90	3.0	11	9	7	15
1919	25.3	−5.8	66	−23	2.61	−0.55	4.75	0.95	9.4	11	9	8	14
1920	33.4	+2.3	68	−7	3.28	+0.12	6.77	1.53	3.8	10	7	9	15
1921	31.6	+0.5	66	−11	2.59	−0.57	6.25	0.91	7.2	10	8	8	15
1922	31.5	+0.4	69	−9	2.75	−0.41	4.55	1.19	7.1	10	10	8	13
1923	39.6	+8.5	71	1	4.99	+1.83	8.55	2.42	2.4	14	9	7	15
1924	29.8	−1.3	69	−23	2.13	−1.03	4.42	0 56	3.6	11	7	7	17
1925	30.7	−0.4	62	−15	1.72	−1.44	3.93	0.69	3.8	10	8	7	16
1926	27.3	−3.8	62	−20	2.58	−0.58	4.61	0.90	10.0	12	8	7	16
1927	32.7	+1.6	73	−6	4.41	+1.25	8.93	2.16	4.5	13	9	6	16
1928	34.4	+3.3	68	−2	1.16	−2.00	2.57	0.28	0.9	6	13	7	11
1929	32.2	+1.1	70	−9	2.77	−0.39	4.95	1.21	10.0	12	7	6	18
1930	30.0	−1.1	59	−15	2.29	−0.87	4.06	0.82	6.8	10	6	7	18
1931	38.1	+7.0	70	−1	2.85	−0.31	5.49	1.27	1.1	11	10	6	15
1932	33.3	+2.2	72	−14	2.19	−0.97	4.14	0.51	7.4	12	10	6	15
1933	31.7	+0.6	74	−22	2.88	−0.28	6.01	1.30	8.7	12	9	7	15
1934	30.7	−0.4	73	−10	2.25	−0.61	5.83	0.84	3.0	10	9	8	14
Period	31.1	....	77	−28	3.16	....	10.26	0.28	8.2	10	8	8	15

W. B. O. Philadelphia-2-29-35-1050.

Climatological Data for December, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	22	31.2	−1.0	65	1	12	31	26	3.60	+0.17	0.94	0.2	11	18	7	6	nw.	John A. Frick.
Altoona	Blair	1,615	47	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	F. E. Rooney.
Ardmore	Montgomery	350	2	32.4	−1.6	64	1	12	10	33	2.66	−0.65	1.00	1.5	10	8	10	13	......	H. G. Balderston.
Arendtsville	Adams	700	12	31.0^{e}	−2.8	63^{e}	1	9^{e}	11	19^{f}	4.75	+1.94	3.60	4.5	7	18	5	8	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	2	31.4	......	63	1	6	11	35	1.84	......	0.50	2.3	5	13	1	17	sw.	Charles C. Lee.
Bellefonte	Center	1,050	26	27.4	−3.1	65	1	1	11	28	1.89	−0.79	0.81	2.8	10	4	6	21	w.	U. S. Weather Bureau.
Bethlehem	Northampton	364	49	32.6	−0.7	60	1	12	9	25	2.80	−0.52	0.87	1.1	8	7	6	18	w.	Lehigh University.
Carlisle	Cumberland	467	68	32.8	+1.3	65	1	10	10†	27	3.45	+0.61	1.90	4.0	7	12	6	13	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	38	31.0	−0.5	66	1	9	9†	26	3.11	+0.32	2.10	2.1	5	15	6	10	......	W. L. Gearhart.
Center Hall	Center	1,272	38	29.4	−0.3	52	1	0	31	27	2.36	−0.17	1.10	5.0	7	8	16	7	......	S. W. Smith.
Chambersburg	Franklin	580	35	33.2	+0.2	64	1	13	12	27	3.28	+0.65	1.97	2.3	6	9	7	15	sw.	William B. Spear.
Clearfield	Clearfield	1,120	27	30.4	+0.8	50	2†	0	12	30	1.55	−1.41	0.43	3.2	8	11	15	5	nw.	E. W. Hess.
Coatesville	Chester	380	47	32.1	−0.6	66	1	11	10	31	3.05	−0.86	1.30	0.3	7	12	1	18	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	23	30.0	−1.6	62	1	9	10†	28	2.69	−0.54	1.05	0.9	10	9	11	11	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	47	29.2	+0.1	65	1	3	11†	41	2.27	−0.96	0.69	4.0	10	4	10	17	n.	T. B. Lloyd.
Ephrata	Lancaster	380	42	33.0	+0.8	65	1	12	10	25	2.52	−0.70	0.86	0.6	7	12	6	13	ne.	Ira J. Keath.
Freeland	Luzerne	1,970	41	25.7	−1.4	59	1	2	9	34	4.34	+0.88	2.64	2.3	13	5	8	18	nw.	Theo. Reichmann.
George School	Bucks	190	28	33.2	+0.2	66	1	9	12	31	2.62	−0.75	1.16	0.1	9	18	7	6	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	61	34.0	+1.8	64	1	14	12	24	4.46	+1.25	2.92	1.0	8	13	7	11	w.	Dr Henry Stewart
Gordon	Schuylkill	840	30	29.6	+0.6	63	1	5	10†	36	4.78	+0.96	3.10	1.0	6	11	6	14	w.	Sallie M. Johnson.
Gouldsboro	Wayne	1,875	19	22.0	−4.1	60	1	−2	9	28	4.46	+1.63	2.27	2.9	12	14	4	13	nw.	Ronald H. Marshall.
Hamburg	Berks	535	41	32.2	+0.5	65	1	9	10	29	3.52	−0.07	1.60	T.	6	15	11	5	w.	State Sanatorium.
Hanover	York	600	30	34.7	+0.5	65	1	13	12	28	2.91	−0.14	1.47	1.1	7	10	8	13	w.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	65	33.3	+0.6	65	1	15	11	23	4.33	+1.31	3.19	1.2	10	6	7	18	w.	U. S. Weather Bureau.
Hawley	Wayne	900	16	26.6	−2.2	62	1	1	9	33	3.56	+0.68	1.38	1.3	11	12	7	12	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	19	33.6	−0.6	63	1	16	11†	19	3.08	+0.72	0.87	1.2	8	9	9	13	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	47	31.2	−0.4	66	1	−1	31	36	2.18	−0.75	0.82	1.5	7	6	7	18	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	22	32.0	−0.4	62	1	4	11	35	1.65	−0.91	0.70	2.0	7	8	5	18	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	3	26.1	......	62	1	−3	11	37	1.88	......	0.64	13.5	10	7	17	7	sw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	47	32.2	−1.2	66	1	9	10	29	2.58	−0.54	0.81	0.4	7	12	12	7	w.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	37	27.6	−1.1	64	1	0	9†	33	1.28	−0.72	0.53	4.0	7	12	3	16	......	C. P. Darling.
Lebanon	Lebanon	469	50	31.6	−0.4	65	1	13	10†	31	3.41	+0.01	0.87	3.5	10	13	11	7	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	44	31.0	0.0	66	1	7	11	27	1.79	−1.17	0.72	3.2	9	4	13	14	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	7	37.1	......	57	1†	11	11	27	2.14	......	1.51	T.	6	19	5	7	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	45	31.0^{d}	+0.4	64^{d}	1	7^{d}	31	39^{d}	4.01	+0.01	1.90	T.	7	10	9	12	nw.	R. K. Wintermute.
Mifflin	Juniata	445	30	33.0	+1.9	64	1	9	11	29	3.07	+0.36	2.02	2.2	4	8	5	18	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Vacant.
Mt. Pocono	Monroe	1,720	28	24.9	−0.9	55	1	−5	8	30	3.23	−0.35	2.45	4.5	6	9	8	14	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	22	27.3	−0.7	56	1	2	9	35	3.17	+0.33	2.05	1.5	5	12	7	12	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	45	31.0	−0.7	68	1	6	11†	39	2.77	−0.50	1.25	0.5	9	14	14	3	nw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	16	30.6	......	65	1	10	9†	28	3.32	+0.97	1.28	1.4	10	11	11	9	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	114	63	35.9	−0.4	67	1	16	11	25	2.61	−0.82	1.02	T.	9	8	10	13	n.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	9	35.5	......	67	1	15	10†	26	2.76	......	1.17	T.	6	11	9	11	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	18	35.8	+0.6	67	1	16	9†	27	2.84	−0.26	1.22	T	9	5	10	16	w.	Commandant, Navy Yard.
Phœnixville	Chester	100	24	......	......	67	1	......	......	......	2.69	−0.43	1.08	1.5	6	9	16	6	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	49	31.2	0.0	64	1	9	10	35	2.34	−1.10	0.88	0.7	8	4	13	14	w.	John E. Benner.
Reading	Berks	514	64	33.4	+1.2	67	1	13	10	24	2.30	−1.26	0.70	2.9	10	7	10	14	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	1	30.0	......	64	1	7	10	31	3.22	......	2.03	2.0	7	7	6	18	nw.	Theodore J. Sampson.
Scranton	Lackawanna	805	40	29.1	−1.6	65	1	8	9	26	2.82	−0.70	1.95	2.2	11	3	10	18	nw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	44	31.8	+0.3	65	1	12	10†	21	3.22	+0.18	2.35	0.8	12	8	7	16	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	38	34.5	−0.6	66	1	12	10	31	2.52	−1.05	1.18	0.2	7	3	15	13	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	1	33.0	......	66	1	13	12	26	3.68	......	2.45	2.6	9	10	7	14	nw.	State Teachers College
State College	Center	1,217	50	29.1	−0.6	63	1	7	11	24	2.56	−0.06	1.02	3.7	10	4	13	14	w.	C. A. Kern.
Stroudsburg	Monroe	500	20	30.7	+1.0	65	2	7	10	38	2.55	−0.78	0.92	2.5	8	19	3	9	n.	State Normal School.
Towanda	Bradford	754	40	28.2	−0.6	65	1	4	31	29	1.63	−0.61	0.92	2.1	8	5	7	19	e.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	64	25.4	−2.5	63	1	−3	10	31	1.60	−0.86	0.70	3.3	5	9	9	13	ne.	George W. Hill.
West Chester	Chester	455	85	34.2^{g}	+1.1	65^{g}	1	13^{g}	10†	29^{g}	2.61	−1.29	1.12	0.2	8	11	9	11	nw.	Joseph W. Belt.
Williamsport	Lycoming	521	48	30.0	−0.7	48	2	10	9†	20	2.78	−0.14	1.42	1.8	10	12	4	15	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	19	30.4	−0.6	62	1	8	10	33	4.16	+1.37	2.80	2.0	7	14	7	10	sw.	Susquehanna Collieries Co.
York	York	400	46	33.1	0.0	65	1	12	10	30	2.51	−0.42	1.00	1.1	8	12	11	8	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	42	32.4	−0.6	69	1	7	11	31	1.55	−1.16	0.58	2.8	11	2	2	27	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	44	26.3	−1.6	67	1	−7	11	29	2.30	−0.65	0.46	8.6	17	3	6	22	......	Frank S. Fawcett.
Butler	Butler	1,077	21	28.3	−3.0	50	28	−1	11	38	2.03	−0.66	0.67	4.5	8	17	3	11	w.	William C. Faust.
Chambersville	Indiana	1,047	4	29.2	−1.6	65	1	−2	11	36	1.82	−1.51	0.46	4.3	9	4	9	18	w.	John E. Lewis.
Clairton	Allegheny	1,020	2	29.7	......	65	1	4	11	37	1.34	......	0.40	0.9	13	2	11	18	sw.	Carnegie Steel Co.
Claysville	Washington	1,150	29	32.0	−0.4	66	1	1	11	32	1.41	−1.57	0.42	1.5	9	8	4	19	w.	J. L. Melvin.
Corry	Erie	1,430	21	26.5	−1.8	65	1	1	9†	33	3.29	−0.14	1.15	15.5	16	7	10	14	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	37	32.4	+0.5	53	28	2	11	32	2.01	−1.27	0.47	2.0	14	9	4	18	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	17	27.6	−0.5	60	1	4	11	25	2.34	−0.20	0.66	7.1	12	11	11	9	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	17	27.4	−1.8	52	28	3	27	42	3.17	+0.08	1.50	12.5	8	9	14	8	w.	J. S. Stevanus.
Franklin	Venango	957	60	28.5	−0.8	47	2	2	11	36	2.24	−1.09	0.63	9.0	14	2	4	25	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	25	31.5	−1.0	67	1	4	11	29	1.53	−1.59	0.47	4.3	15	4	9	18	w.	Westmoreland Water Co.
Greenville	Mercer	950	38	29.2	−1.0	63	1	1	11	28	1.59	−1.31	0.69	7.9	12	7	5	19	......	Charles P. Clarke.
Grove City	Mercer	1,256	27	28.6	−1.2	62	1	6	10†	28	2.23	−0.80	0.87	3.5	14	4	9	18	nw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	52	31.7	−0.7	64	1	7	11	32	2.43	−1.18	0.76	7.0	15	7	4	20	s.	Robert Tross.
Kane (near)‡‡	Elk	2,020	2	24.2	......	60	1	−1	9†	27	1.88	......	0.55	8.5	11	8	6	17	nw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	42	32.3	0.0	65	1	4	11	29	1.62	−1.76	0.53	4.5	11	0	11	20	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	40	28.6	−0.2	61	1	5	11	28	2.36	−0.86	0.72	11.5	13	6	4	21	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	30.6	......	63	1	6	11	33	1.47	......	0.35	1.5	12	5	7	19	sw.	Fred Hoffman.
New Castle	Lawrence	808	54	30.2	−0.6	73	1	1	11	31	2.19	−0.39	0.68	4.3	20	1	14	16	nw.	New Castle Water Co.
Newell	Fayette	800	14	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Gen. Chemical Co.
Pittsburgh	Allegheny	842	92	32.9	−1.3	61	1	12	11	32	1.33	−1.53	0.37	1.2	15	2	6	23	w.	U. S. Weather Bureau.
Ridgway	Elk	1,350	27	27.0	−1.0	48	1	−1	11	38	1.98	−0.62	0.60	1.2	14	2	7	22	sw.	West Penn. Power Co.
Sharon‡‡	Mercer	940	21	28.6	−2.0	55	1	4	11	27	1.49	−0.83	0.39	0.9	10	4	7	20	s.	Harry H. Gerber.
Somerset	Somerset	2,190	67	27.4	−1.4	60	1	−10	11	33	2.11	−1.79	0.67	3.5	15	5	8	18	sw.	D. L. Grove.
Uniontown	Fayette	1,100	46	33.6	−1.2	68	1	0	11	32	1.54	−1.93	0.43	4.0	12	7	7	17	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	20	32.3	−1.0	70	1	3	11	33	1.44	−1.50	......	......	11	18	3	10	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	45	28.2	+0.2	60	1	4	9	30	2.32	−0.79	0.47	12.6	17	4	7	20	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	32.6	......	68	1	2	11	30	1.57	......	0.70	T.	5	1	12	18	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	62	29.8	−2.1	50	1	10	11	21	1.50	−1.33	0.25	8.2	19	3	5	23	sw.	U. S. Weather Bureau.
For the State	......	......	......	30.7	−0.4	73	1	−10	11	42	2.55	−0.61	3.60	3.0	10	9	8	14	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for December, 1934

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh	.92	.86		.19			.03		T.	T.									.01	.93		T.	.05		.03	.20	.25		.13			3.60
Altoona	Juniata																																
Ausonia‖‖	W. Br. Susq	.58	.23		.03			.02						T.			T	T.			.48		T.		.07		.16			.01			1.58
Ardmore	Lower Del	.11		.15	.22				T.	T.				T	.02					1.00			.06				.45		.12	.48		.05	2.66
Arendtsville	Lower Susq	3.60	.13		.18					.02										.18			.28			.36							4.75
Baker's Summit	Juniata	.78			.04					.03										.75						.10	.45			.07			2.22
Bedford	Juniata	.44		T.					T.	T.	T.			T.						.50	.29					.11	.50						1.84
Bellefonte***	W. Br. Susq	.81		.01	T.	T	.08		T.	.01		T.	T.	T.	T.		T.	T.		.51	T.	T.	T.			.04	.21		.01	.04		.17	1.89
Bethlehem	Lehigh	.81			.20			T.	T.	T.							T.			.87	.14		.10			.03	.50			.15			2.80
Bloserville‡‡	Lower Susq	2.60		.10						.10										.60						T.	.50					.30	4.20
Buffalo Mills	Juniata	.43	.05																	.30	.54						.56			.09			1.97
Carlisle	Lower Susq	1.90		T.	.12				T.	.08			T.				T.	T.		.80			.02			T.	.48			.05		T.	3.45
Catawissa‡	N. Br. Susq	2.10		T			T.							T.						.50						.02	.30			T		.19	3.11
Center Hall	Susquehanna	1.10	.28	.08				.12						T.						.48						.12				.18			2.36
Chambersburg	Potomac	1.97		T	.05				T.	.02		T.								.68			T.				.52			.04			3.28
Clearfield	W. Br. Susq	.43			.11			.01		.02				T.			.28			T.	.25	T.				.05	.40	T.		T.			1.55
Coatesville	Lower Del	.50			.36			T.		T.		T.					T.			1.30	.04		.13			T.	.39			.33			3.05
Colebrook	Lower Susq	1.05		.02	.17			T.		.02		T.	T.				T.			.82	.01		.05			T.	.46			.07		.02	2.64
Conshohocken	Schuylkill	.11			.48					T.							.02			1.11			.06				.42			.71			2.91
Cresson‡	Juniata																																
Doylestown	Lower Del	.25			.36					T.							T.			1.03			.08				.37			.29			2.38
Emporium	W. Br. Susq	.69		.31	.09	T.	T.						T.	.10	T.		.13	T.		.21	.11		T.			.20	.32			.11			2.27
Ephrata	Lower Susq	.82			.17					.01		T.					T.			.86	T.		.06			T.	.45			.15			2.52
Forest City	N. Br. Susq	.10	1.02		.03																.72		.10			.06	.13	T.		.31			2.47
Freeland‖‖	Lehigh	1.84	.80		.05			.02	T	T.			.01	T		T.			.03	.02	.96		T.	.02		.05	.26	.14		.14			4.34
Galeton	W. Br. Susq	.87		.07		T.	T.							.07			.06	T.		.48	T.					.18	.23			.06			2.02
George School	Lower Del	.28	.03	T.	.32	T.		T.		T.							.02			1.16	.02	T.	.04	T.		T.	.35			.40			2.62
Gettysburg	Potomac	2.92	.01	.01	.21				T.	T		T.								.88			.04				.35			.04			4.46
Girardville‖‖	Lower Susq	2.62			.10		.07						.01							1.02			.03			.05	.45			.15			4.50
Gordon	Lower Susq	3.10		T.	.14			T.												.83	.06		T.				.49			.16			4.78
Gouldsboro‖	Lehigh	*	2.27	.29				.06					.04		.10					.06	1.10		.04	.05				.40		.05			4.46
Graterford	Schuylkill	.31			.42					T.										.93	.02		.03			.21				.09			2.01
Hamburg	Schuylkill	1.60			.05					T.							.04			1.19						.01	.63						3.52
Hanover	Lower Susq	1.57		T.	.20			T.	T.	.02		T.								.73			.09				.30			.10			2.91
Harrisburg***	Lower Susq	2.69		.16	.01		T			.02	T	T		T.			T.	T.		.74	T.		.01			T.	.44		.01	.05		.20	4.33
Hawley‖‖	Upper Del	1.38	.71		.04									T.	T.	T.		.02		T.	.93		.02	.05		.03	.11	.14		.13			3.56
Hollisterville	Upper Del	.52	1.33			T.		T.							.05	T.	.05	.02		T.	.87		T.	.06		.09	.26	.07		.12			3.44
Holtwood‖	Lower Susq	.87			.17			T.		.03										.88			.10			T.	.18			.37		.48	3.08
Huntingdon	Juniata	.82		.05	T.		T.	T.		.03				T.						.55	T					.06	.58			.09			2.18
Hyndman	Potomac	.20		.03	.07				T.		T.			T.						.50	.10					T.	.70			.05			1.65
Kylertown	W. B. Susq	.64					*	.10						.03				.05		.34	.11		T.			.17	.33			.11			1.88
Lakeville‖‖	Upper Del	1.60	.70		.05						T.			T.	.01		.02				.85		.02	.05		.10	.21	T.		.18			3.79
Lancaster	Lower Susq	.75			.38					.03		T.					T.			.81			.03				.34			.24			2.58
Lansford‖‖	Lehigh	2.29	*	1.30	.10			.02		T.				T.					T.	.01	1.16			.03		*	.27	.28		.17			5.63
Lawrenceville	N. Br. Susq	.53				T.	.05						T.	T.	T.		.05	T.		.30			.10			.15	.10			T.			1.28
Lebanon	Lower Susq	.65		.20			T.			.03		T.	T.	T.			T.	T.	.02	.87		T.	.40			.42	.01		.11			.70	3.41
Lock Haven	W. Br. Susq	.72			.03			.06	T.								.02	T.		.48			.02			.03	.29			.14			1.79
Marcus Hook	Lower Del	.12			.37			T.		T.		T.	T.	T.						*	1.51		.05				.05			.04			2.14
Matamoras‖‖	Upper Del	.93	.45																	T.	1.20					.10	.19			.02			2.89
Mauch Chunk	Lehigh	1.90						T.	T.			T	T	T.						1.27	.03		.05			.09	.49			.18			4.01
Mifflin	Juniata	2.02		T.						.03										.70							.32			T.			3.07
Montrose	N. Br. Susq																																
Morris Run	N. Br. Susq	.80			.03		.02	.02				.02					.04	.04		.66	.05		.08			.08	.20						2.04
Mount Pocono	Upper Del	2.45			.09			T.				T.									.20	.37	.06	T.		T.	T			.06			3.23
Muncy Valley	W. Br. Susq.	2.05		T.	T.	T.			T.			T.	T.	T.	T.			T.		.71	.11		T.			.22	.08						3.17
Neshaminy‖‖	Lower Del	.18		.15	.21		T.	T.									T.			1.25			T.			.01	.44		.05	.43		.05	2.77
New Park	Lower Susq	.72			.20					.05										1.24			.10				.25					.15	2.71
Newport‖‖	Juniata	3.10	.50		.09			T.		.02	.02							T.		.10	.55		T.	T.		T.	.17	.05		.13			4.73
Palmerton‡	Lehigh	1.28		.07	.03		.01										T.			1.19			.02			.04	.48			.12		.08	3.32
Paupack‖‖	Upper Del	1.18	.95		.05												.05				1.20			.05			.28			.12			3.88
Philadelphia***	Lower Del	.09		.17	.23			T.	T.	T.				T.			T.			1.02			.05			T.	.36		.15	.47		.07	2.61
Philadelphia-Gtn	do	.23			.37				T.	T.			T.				T.			1.17			.08			T.	.35			.56			2.76
Phila. Navy Yard‖‖	do	.10	.07		.39					T	T.				T.			T.		.07	1.15		T.	.04			.02	.37		.63			2.84
Phila-P'nt Breeze.‡	Lower Del	.12						T.	T.	T.		T.		T.		T.	.21			1.08			.10			T.	.46			.62			2.59
Phoenixville	Schuylkill	.32			.42			T.		T.							T.			1.08			.13			T.	.38			.36			2.69
Pine Grove	Lower Susq	2.50		.10	.04		T.			.03				T.			.02			.90			.03			.12	.48		.05	.10		.30	4.67
Pleasant Mount	Upper Del	*	1.54											.13	T.	T.				.91						.31		.27					3.16
Pottstown	Schuylkill	.60		.05	.07		T.			.02	T.	T	T.	T.	T.		T.			.68			.10			T.	.50		.02	.10		.22	2.36
Pottsville	Schuylkill	2.00			.05					T.							T.	T.		.84	T.					.04	.48			.15			3.65
Quakertown	Lower Del	.47			.29			T.	T.	.01							T.			.88	.02		.10			T.	.40			.17			2.34
Reading***	Schuylkill	.55		.07	.08		T.			.01	T.	T.	T.	T.			T.			.66			.09			T.	.48		.01	.11		.24	2.30
Renovo.‖‖	W. Br. Susq	.43	.45		.05			.04						.02							.98			.02		.10	.12	.08		.09			2.38
Retreat	N. Br. Susq	2.03		T.	.01												T.	.11		.29	.12				.16	.50							3.22
Scranton***	do	1.22		.02	.01	T.		T.	T.			T	T	.01	T.	T.	.01	T.		.52	T.		.04			.01	.28	T.		.08		.12	2.32
Selinsgrove	Lower Susq	2.35		.01	.01		.01			.02							.02	.01		.30	.38		.01			.02				.08			3.22
Shawmont	Schuylkill	.10	T	T.	.34			T.		T.										1.15	.03		.06				.39			.45			2.52
Shippensburg	Lower Susq	2.45		.02	.03			T.	.01	.01	T.	T.	T.	T.	T.		T.	T.	T.	.57	T.		.02				.51			.06			3.68
Snow Hill‡‡	Upper Del	1.80																.03		*	1.44			.03		*	.53			.06			3.89
State College	W. Br. Susq	1.02		.07	T.	T.	T.	.03		.03		T.	T.	T			.02	T		.80	.06	T.	T.			.09	.37	T		.07		T.	2.56
Stroudsburg‖‖	Upper Del	.50	.42					T.		T.										*	.89		.25				.02	.35		.12			2.55
Sunbury	Lower Susq	2.00			.02			.12						T						T.	.59		T.	T.	T.	.03	.11			.05			2.92
Towanda	N. Br. Susq	.92		T	T.	T.	.02		T.			T	T.	T.	T.	T.	T.	T.		.40	.05		.06			.14	.03			.01	T.		1.63
Weikert	Lower Susq	1.35	*				.08													.56					.08		.12			.12			2.31
Wellsboro	W. Br. Susq	.70		T.			.04					T	T.	T.	T.		T.	T.		.63	T		T.			.06	.17						1.60
West Chester	Lower Del	.18			.40					.02		T.								1.12			*			*	.54			.35			2.61
Westgrove‖‖	do	.67	.33		.40					.02	T.									.22	1.00			.11			.13	.21		.30			3.39
Wilkes-Barre‖‖	N. Br. Susq	1.15	1.43	.04				T.	T.					T.	T.	T.	T	T.		T.	.71		.02			T.	.25	.13		.13			3.86
Williamsport‖‖	W. Br. Susq	1.00	.42		.03			.01						T.			T.	T	T.	T.	.90		.04	T.		.06	.09	.14		.09			2.78
Williamstown	Susquehanna	2.80		T.	.10			T	T.	.05	T.	T.		T.						.78	T.		.03			.08	.32						4.16
York	Lower Susq	1.00		.02	.20			T.	T.	.03		T.								.69			.11				.34			.12			2.51
York Haven‖‖	Lower Susq	.63	1.05		.25					.01										.08	.54		.02	.01			.24	.15		.08			3.06
Zionsville (near)	Schuylkill	.78																		1.25	.50		.03				.60			.15			3.31
Trenton, N. J***	Lower Del	.11		.13	.20		T.	T.	T.	T.					T		.02	T.		1.07			.01			T.	.39		.03	.36		.05	2.37

Continued on page 59.

Daily Precipitation for December, 1934—Continued from page 58

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.58	T		T.			T.	.01	.03		T.	T.		T.		.03	.01	T.	.12	.41	T.	.06			.01	.26	T.		.03	T.		1.55
Beaver Falls‖‖	Beaver	.61			T.	T		T.	.01	.01		T.	T		T.		.01	.02	T.	.13	.32	T.	.08	.01		.07	.30			.01			1.58
Brookville	Allegheny	.43	T.		.32	.01		.06	.01	.05		T.	T.	.02	.03		.10	.07	T.	.05	.37	.01	.05			.22	.46	.04					2.30
Butler	Ohio	.42							.05									.10		.37	.30		.20			.50			.09				2.03
Chambersville	Allegheny	.04	T.			T.		.03	.05	.30							.28			.39						.03	.46			.24			1.82
Clairton‡	Monongahela	.25		T.				T.	T.	.05	.02	.01		T.			.04	.02		.28	T.		.02		.03	.02	.40		.04			.16	1.34
Claysville	Ohio	.39		T.			T.	.01		.03	T			T.			.02	T.		.42	.04		.03			.05	.42					T.	1.41
Clymer‡‡	Conemaugh																																
Confluence‖‖	Youghiogheny	.32								.16	.04	T.	.04	T.	T.		.05	T.		.13	.53	T.	T.	T.		.08	.74	.04		.10	T.		2.23
Corry	Allegheny	1.15		.03		.01	.10	.05				.03			.10	.07	.41			.52	.25	.09				.10	.31	.02		.05			3.29
Derry	Conemaugh	.35		.04			T.		.07	.07	T.	.05		.07			.15	.08		.15	.15		.09			.11	.47			.16			2.01
Donora‖‖	Monongahela	.20			T.					.01	T.	.02		.01			.02	.02		.11	.14		.02			.06	.37			.02			1.00
Ebensburg	Conemaugh	.44		T.	.11				.04	.01				.21			.07	.07		.16	.21					.14	.66			.22			2.34
Elk Lick	Youghiogheny	.42						.50	.20	.10	.10	.15									.20						1.50						3.17
Franklin‖‖	Allegheny	.63	T.		.03	T.		.08	.03	.05		.06			.03						.63	.04	.04			.21	.32	.04		.05			2.24
Greensboro	Monongahela	.23	.02		.05			T.	T.	.02	T.	.04	T.				.02	.01		.09	.30	T.	.03	.02		.02	.45			.12	T.		1.42
Greensburg	Youghiogheny	.23		T.			T.	.01	.03	.06	.03	.05	T.	.07			.10	.04		.21	.06		.03			.07	.47			.07		T	1.53
Greenville	Beaver	.18		T.	T.		.10	.08	.02	.02		.02		T.			.10	T.		.52	.17		.02			.34	T.	.02		T.			1.59
Grove City	do	.87		T.	.03			.06	.06	T.		.01	.01				.05	.05		.32	.12	T.	.10			.13	.32			.10			2.23
Herrs Isl. Dam‖‖	Ohio	.41	T.				T.		T.	.09	T.	.03	T.		T.		T.	.05	T.	.09	.06	.02	.07	.01		.12	.42			.04			1.41
Irwin	Monongahela	.33		.06				T.	T.	T.	.05	T.		T.			.15	.09		.49	T.		.12			.13	.50			.12		T.	2.04
Johnstown	Conemaugh	.35		.22	.06		T.	T.	.03	.03	.01	.04		.09			.16			.38	.03		.03			.11	.76			.13		T.	2.43
Kane (near) ‡‡	Allegheny	.55			.03	T.	T.	T.						.10			T.	.10		.30	.28	.04				.16	.20	.07		.05			1.88
Kregar‖‖	Youghiogheny	.06		.06			T.	T.	.08	.06	.02	.04		.10		.05	.07	.02	.11	.32		.02	T.		.14	.71	.02		.15	T.		1.10	3.13
Lake Lynn‖‖	Monongahela	.28	.05		.03					.04	.02	.04								.15	.40		.05	.04			.22	.08		.14			1.54
Linesville‖‖	Beaver	.75		.02				.06	.16	T.		.06	.01	T.	.10		.11	.13			.50	.06	.04			.11	.31	.03		.09			2.54
Lock No 2‖‖	Ohio	.44	T.					T.		.04		T.			T.		T.	.03		.08	.20		.05			.09	.33			.06			1.32
Lock No. 4‖‖	Monongahela	.28	.03		.01			T.	T.	.02	T.	.04			T.		.05	.03	T.	.10	.21		.01	.03		.09	.39			.09	.01		1.39
Lock No. 5‡‡‖‖	Allegheny	.29	.08		T			T.	T	.03		T.	T.	T.	T		.06	.07		.06	.23		.03	.01		.11	.38			.10			1.40
Lycippus	Conemaugh	.25			.03				.08	.10		.04		.08						.15	.13	.08				.15	.53						1.62
McKeesport‖‖	Monongahela	.30								T.	T.	.01					.01	T.		.09	T.					.06	.36			.01			0.84
Meadville	Allegheny	.72			T.		.03	T.	.07			.06		.03			.22			.38	.27	.05	.05			.08	.32			.08			2.36
Mosgrove	do	.30	T.		T.	T.		.02	T.	.11		T.	.01				.05	.08		T.	.41	T.	.03	.05		.16	.38	T.		.12			1.72
Mount Lebanon	Ohio	.35					T.	T.	T.	.04		T.		T.			.05	T		.27	.05	T.	.05		.06	.05	.30		.03	.01		.21	1.47
Natrona‖‖	Allegheny	.49	.05		.01			.01	T	.05	T.	T.	.01	T.	.01		.07	.04	T.	.09	.21	T.	.02	.02		.07	.43	.01		.19			1.78
New Castle‖‖	Beaver	.68	.20		.03	.01	T.	.02	.01	.08		.02	.01	T.	.01	T.	.02	.08	.01	.17	.28	T.	.11			.13	.29	.01	T.	.02			2.19
Newell	Monongahela																																
Parkers Landing‖‖	Allegheny	.48	.02		T.	T.	T.	.20	.05	.10		T.	T.	T.	.05		.05	.10	T.	T.	.50		.15	T.		.25	.52	T.		.13	T.		2.60
Pennline‖‖‡‡	Beaver	.85						.10	.04			.09	T.	T.			.10	.07			.42	.06				.03	.37	T.		.07			2.20
Pittsburgh***	Ohio	.35		T.			.01	T.	.02	.03	T.	T.		.01		T.	.01	.02		.21	.02	T.	.05		.08	T.	.37		.02	.01		.12	1.33
Punxsutawney‖‖	Allegheny																																
Ridgway	do	.47	.03		T.	T.		.02	.02				T.	.04	T.	.02	.03	.03	T.	T.	.60	T.	.02			.11	.44	.02	.13	T			1.98
Saltsburg‖‖	Conemaugh	.24							T.	.06	T.	.04	.01	.02	T.			.04	.04	.13	.27	.01	.01	T.		.12	.42	T.		.06			1.47
Sharon‖‖	Beaver	.28			.02			T.	.07	T	.08						*	.09	T.	.09	.39	T.	.05			.35		T.		.07			1.49
Smethport	Allegheny				T.			T.			T.		T.	.04	.01			.05			.10	.05				20	.25	.25	T.	T.			0.95
Somerset	Youghiogheny	.30		.09	.03				T	.03	.04	.02		.05			.01	.02		.34	.23		.01			.14	.67			.13			2.11
Springdale‖‖	Allegheny	.30	.03					T	T.	.03	T.	T.	T.		T.		.03	.04	T.	.11	.20		.02	.04		.15	.46			.10			1.51
Uniontown	Monongahela	.25		.03	T.			T	T.	.08	.05	.04					.04	T.		.28	.08		.07			.05	.43			.14		T.	1.54
Unity Reservoir‡‡	Youghiogheny	.23		T.					.10	.10	.04	.07		.08	T		.15	.08		.10	.20		.08			.10	.34			.17			1.84
Vandergrift‡	Conemaugh	*	.33					*	*	*							*			.27						*	.50			.24		.30	1.44
Warren	Allegheny	.40			.04	.04	.05	.10	.09			.02		.10			.03	.07		.45	.47		.04			.15	.15	.09		.03			2.32
Waynesburg	Monongahela	.38						T		T.	T.	T.								.41	T.					.16	.54			.08			1.57
Westford‖‖	Beaver						.12	.15	.08	.06	.04	.07	.06	.04	.02	.02	.22			.90	.12	.08	.04			.05	.40	.02		.20		.10	2.79
West Newton‖‖	Youghiogheny	.21	T.					T.	T	.02	.02	.04	T.		T.		.02	.03	T.	.06	.11			T.		.06	.37			.04			0.98
Lake Drainage.																																	
Erie***	Lake Erie	.09	T.	T	.01	.20	.04	.04	.09	T.	T.	.14	T.	.06	T.		.12	.04		.10	.06	.04	.04		.02	.03	.13		.13	.12	T.	T.	1.50

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	Percentage of sunshine
Erie	30.08	30.53	27	29.13	19	14.5	38	se.	19	80	75	76	12
Harrisburg	30.10	30.56	27	29.27	19	8.3	35	nw.	26	68	58	59	39
Philadelphia	30.10	30.52	3	29.24	19	12.6	43	s.	1	64	56	53	57
Pittsburgh	30.13	30.57	27	29.20	19	11.2	38	sw.	19	76	66	66	20
Reading	30.10	30.54	27	29.25	19	12.3	49	nw.	26	72	60	61	36
Scranton	30.08	30.50	3	29.15	19	7.9	27	nw.	30	81	70	67	37

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.1	8.9	2	2.8	17	18
Phillipsburg	Delaware	5.2	15.9	2	2.8	29	22
Mauch Chunk	Lehigh	4.1	9.6	2	2.5	31	17
Wilkes-Barre	Susquehanna	5.8	14.8	2	3.1	30	20
Williamsport	Susquehanna	3.7	9.8	2	1.1†	27	20
Harrisburg	Susquehanna	5.8	14.2	2	4.3	18	17
Greensboro	Monongahela	12.0	17.5	27	10.6	15	30
West Newton	Youghiogheny	1.7	5.4	27	0.6	12	20
Lock No. 4	Monongahela	12.8	16.9	28	11.1	15	30
Pittsburgh	Ohio	*	14.1*	27	10.5*	13	25
Beaver Dam	Ohio	*	11.9	28	8.9*	11	30

*—Pool stage. †—Ice Reading.

Daily Temperatures for December, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	65	60	41	48	42	41	27	23	23	22	19	30	38	37	38	44	41	38	51	40	41	38	34	37	32	42	29	42	45	29	33	37.7
	Minimum	60	37	29	30	36	27	23	17	13	14	15	14	17	23	22	22	35	25	26	29	29	28	25	26	27	28	18	18	19	21	12	24.7
Altoona	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bedford	Maximum	63	46	42	44	38	47	41	28	24	22	18	28	35	35	39	47	45	40	35	40	39	40	42	45	41	44	38	51	49	42	32	39.4
	Minimum	41	36	25	34	31	22	23	18	20	16	6	13	26	25	21	28	32	11	26	30	17	22	23	24	36	35	12	16	20	22	12	23.3
Bellefonte	Maximum	65	46	40	41	37	36	26	23	24	20	14	26	35	31	36	42	37	38	37	35	40	39	42	42	31	40	27	36	44	31	29	35.2
	Minimum	37	30	22	28	25	23	5	14	6	4	1	9	24	23	19	28	25	16	26	30	21	27	23	28	27	16	18	12	28	15	7	19.7
Brookville	Maximum	67	51	42	43	32	31	33	30	24	22	21	15	30	36	26	36	37	32	38	39	32	42	34	32	32	38	35	27	42	40	29	34.5
	Minimum	43	32	20	24	29	19	11	15	2	−2	−7	6	14	23	21	22	30	20	19	27	22	25	24	26	25	30	7	5	13	14	3	18.1
Butler	Maximum	37	42	40	37	42	39	31	29	26	20	20	23	35	33	33	25	34	36	39	38	39	38	34	31	45	44	31	50	48	42	40	35.8
	Minimum	36	21	22	29	29	22	15	13	10	3	−1	12	22	22	18	22	29	13	24	27	26	28	20	25	32	27	9	12	35	10	32	20.8
Carlisle	Maximum	65	50	45	48	40	46	42	32	25	22	31	41	42	38	41	46	42	41	36	47	47	44	41	40	34	45	38	42	51	38	32	41.0
	Minimum	45	34	24	36	34	21	32	20	15	10	13	18	28	24	15	28	36	20	19	34	21	26	25	24	30	34	16	15	31	25	10	24.6
Catawissa	Maximum	66	48	41	45	42	39	32	25	26	25	21	30	38	37	40	43	41	40	50	48	44	42	38	38	33	42	29	39	47	35	32	38.6
	Minimum	44	37	27	32	33	25	19	17	9	10	11	12	28	12	19	27	33	18	24	34	28	30	27	29	27	26	20	14	29	20	9	23.5
Chambersburg	Maximum	64	52	42	47	40	47	41	31	30	22	22	32	41	40	39	50	48	41	38	39	40	42	42	39	36	48	35	46	52	41	30	40.5
	Minimum	45	37	29	32	32	25	26	21	21	16	16	13	27	27	25	30	34	21	22	32	20	30	26	29	30	26	16	19	32	26	16	25.8
Chambersville	Maximum	65	45	42	46	35	37	31	25	22	18	16	24	33	31	35	42	39	38	42	42	44	41	49	44	39	47	33	53	47	35	37	38.0
	Minimum	37	31	24	29	27	18	19	14	13	−1	−2	7	20	23	20	24	29	22	28	28	20	23	23	25	28	23	7	17	31	17	12	20.5
Claysville	Maximum	66	49	46	46	40	46	34	26	25	22	21	26	35	34	38	46	43	37	49	36	44	41	47	46	43	49	41	53	48	39	40	40.5
	Minimum	37	30	26	30	26	16	22	14	18	14	1	12	24	22	17	32	31	17	31	28	23	30	28	25	29	30	9	24	37	24	19	23.4
Clearfield	Maximum	48	50	50	40	39	40	45	38	32	30	36	30	35	30	34	41	40	36	34	35	40	38	35	36	38	35	36	40	38	40	36	37.9
	Minimum	35	45	32	28	26	27	30	28	18	18	10	0	18	18	21	24	22	25	20	20	25	28	20	22	16	28	29	25	28	20	8	23.0
Coatesville	Maximum	66	48	43	52	44	44	37	27	20	21	22	30	42	39	39	51	44	39	51	45	43	38	38	41	38	44	34	45	49	37	33	40.1
	Minimum	40	32	27	37	32	24	22	16	13	11	13	13	22	24	23	30	33	21	20	32	24	26	23	30	29	25	17	18	32	24	14	24.1
Corry	Maximum	65	44	35	43	29	28	22	26	17	30	19	22	33	28	34	36	32	39	40	39	38	32	32	36	33	32	25	42	40	33	32	33.4
	Minimum	32	30	24	27	22	22	12	8	1	1	3	9	20	18	22	27	9	28	29	25	28	25	24	21	27	20	9	13	25	27	20	19.6
Emporium	Maximum	65	44	39	45	35	35	27	24	22	22	15	26	35	42	35	41	39	38	38	40	41	38	42	44	46	41	26	36	44	31	44	36.8
	Minimum	39	34	23	33	31	26	13	11	8	5	3	10	25	22	22	26	31	21	24	33	28	30	27	28	28	20	13	6	31	16	3	21.6
Erie	Maximum	50	39	46	41	36	32	26	25	21	26	25	29	35	33	38	39	35	37	43	34	38	35	40	33	34	36	34	44	42	27	39	35.2
	Minimum	37	34	31	32	27	23	21	16	11	11	10	13	28	27	26	35	28	22	29	30	29	29	30	25	30	16	17	31	27	17	18	24.5
Franklin	Maximum	45	47	46	33	36	33	27	27	25	29	30	34	38	39	40	39	32	40	42	36	40	40	40	35	39	41	29	45	42	35	39	36.9
	Minimum	42	33	23	26	30	25	17	16	8	7	2	11	12	23	22	22	30	17	17	28	27	26	23	26	26	29	9	9	12	17	8	20.1
Freeland	Maximum	59	43	35	41	35	35	27	16	17	19	14	24	29	32	31	38	36	39	45	43	39	32	28	37	29	35	26	49	37	34	35	33.5
	Minimum	37	29	23	29	27	21	14	8	2	3	6	5	18	13	12	24	25	14	19	28	23	26	18	22	20	24	6	15	31	9	5	17.9
Gettysburg	Maximum	64	51	44	49	42	48	41	30	29	26	26	32	41	40	43	48	49	43	37	40	40	46	40	39	38	48	39	44	56	43	30	41.5
	Minimum	46	35	30	36	35	25	25	20	19	16	15	14	23	26	25	33	34	22	24	35	24	30	26	30	31	26	18	20	34	29	15	26.5
Greensburg	Maximum	67	47	46	47	46	40	34	24	24	20	18	31	33	35	37	45	40	40	48	43	43	40	48	46	45	49	37	52	47	35	40	40.2
	Minimum	39	30	27	27	25	21	20	16	17	14	4	7	12	24	22	31	30	20	27	24	24	32	26	27	29	24	10	23	35	24	16	22.8
Grove City	Maximum	62	41	41	42	36	32	31	27	26	19	18	24	33	31	33	35	40	33	41	41	37	38	40	40	32	32	26	44	44	28	37	35.0
	Minimum	34	36	29	29	29	23	18	15	11	6	6	10	23	22	19	29	29	24	30	29	26	29	26	24	18	18	8	26	27	18	15	22.1
Hamburg	Maximum	65	50	48	44	42	39	38	32	25	23	21	30	40	39	42	45	44	41	47	48	42	40	38	37	36	38	46	49	42	38	33	40.1
	Minimum	50	34	28	34	32	26	24	15	13	9	10	14	23	22	25	28	30	22	18	35	24	29	23	22	26	32	30	24	20	24	11	24.4
Harrisburg	Maximum	65	50	41	48	40	45	33	28	25	23	22	30	40	38	40	48	44	39	41	40	42	45	40	38	35	46	31	41	51	34	31	39.2
	Minimum	42	38	33	39	31	30	24	22	17	15	15	16	26	29	28	36	34	29	26	34	29	33	29	29	29	23	18	22	32	24	17	27.4
Hawley	Maximum	62	48	39	47	36	35	31	20	20	23	20	26	31	29	29	38	37	38	44	47	42	34	33	32	27	39	35	38	35	35	35	35.0
	Minimum	46	35	24	33	32	26	12	7	1	2	3	3	22	17	28	17	28	11	12	30	25	23	20	16	22	25	10	5	25	13	2	18.1
Huntingdon	Maximum	66	49	42	45	39	43	33	29	28	23	20	30	39	36	40	48	44	40	39	39	40	40	44	46	33	46	31	40	49	38	35	39.2
	Minimum	40	38	24	32	29	22	21	21	21	9	4	12	28	27	23	27	32	18	25	32	19	29	24	30	30	22	14	13	30	24	−1	23.2
Johnstown	Maximum	64	49	40	46	37	45	34	26	24	21	18	26	34	36	37	47	37	41	41	36	44	39	50	44	40	46	36	54	45	35	34	38.9
	Minimum	39	34	28	33	29	24	23	19	17	14	7	14	26	26	24	30	31	21	24	31	21	33	27	30	30	18	13	22	35	24	14	24.5
Lancaster	Maximum	66	50	49	41	44	39	38	35	30	25	26	28	44	44	40	46	49	39	49	51	43	38	39	35	37	40	38	38	45	46	38	41.0
	Minimum	48	32	26	38	34	22	18	17	15	9	13	13	22	16	18	26	35	19	20	36	23	24	24	25	30	24	17	17	29	25	13	23.5
Lawrenceville	Maximum	64	45	37	42	35	34	30	20	23	23	18	32	33	34	38	40	38	40	41	42	41	35	38	39	32	40	30	40	42	32	37	36.0
	Minimum	40	36	27	32	25	25	5	9	0	0	3	8	23	9	9	26	29	13	25	29	29	28	22	26	24	28	8	10	32	11	4	19.2
Lebanon	Maximum	65	50	41	50	44	36	27	28	26	22	21	31	40	39	40	45	43	40	48	40	40	42	38	36	33	44	33	44	50	31	32	39.0
	Minimum	34	33	29	32	36	24	23	19	15	13	15	14	21	21	23	28	34	22	24	29	26	31	28	26	28	28	17	19	23	23	13	24.2
Marcus Hook	Maximum	57	57	48	48	47	46	37	35	25	25	33	44	42	44	49	49	42	55	54	47	44	43	47	47	51	48	46	54	53	35	44	45.0
	Minimum	40	44	35	38	30	26	20	17	15	19	11	29	27	27	34	41	29	28	40	32	34	29	36	33	33	21	26	34	29	19	28	29.2
Meadville	Maximum	61	41	44	45	33	34	29	26	22	25	23	25	34	30	34	37	36	36	40	41	38	37	39	39	34	36	28	43	44	31	39	35.6
	Minimum	35	33	26	30	29	25	20	14	8	7	5	11	22	21	17	31	29	22	27	27	27	29	25	25	28	20	11	16	29	14	11	21.7
Mifflin	Maximum	64	51	49	46	44	47	40	30	28	29	23	33	40	38	41	47	47	44	38	39	44	44	43	44	36	44	45	40	50	42	37	41.5
	Minimum	46	37	28	33	34	24	22	21	16	11	9	13	23	27	26	25	34	21	21	34	22	30	27	29	28	28	16	14	29	24	10	24.6
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Muncy Valley	Maximum	56	50	40	42	36	34	31	22	24	23	19	26	33	36	35	33	36	38	47	46	40	36	33	34	35	36	32	40	40	35	32	35.5
	Minimum	42	31	25	32	32	21	15	12	2	4	8	8	23	9	11	23	30	12	12	32	24	27	22	19	23	28	11	9	27	15	4	19.1
Philadelphia	Maximum	67	52	47	56	47	47	36	29	24	26	26	33	44	43	42	51	49	41	54	43	46	42	41	44	43	48	32	45	53	37	33	42.6
	Minimum	46	41	38	39	35	33	25	21	18	17	16	18	29	28	28	35	34	29	29	34	33	35	29	33	32	26	21	26	35	22	19	29.2
Pittsburgh	Maximum	61	46	48	47	35	39	27	25	23	23	18	28	34	31	43	47	39	38	49	36	44	38	48	42	43	48	36	53	48	33	42	39.1
	Minimum	36	33	34	32	28	27	20	18	18	17	12	14	28	25	26	39	32	28	32	32	31	34	33	28	36	16	13	28	30	25	22	26.7
Quakertown	Maximum	64	48	43	49	43	42	36	24	21	22	21	28	41	39	37	44	44	36	52	51	40	38	36	38	35	43	42	40	47	41	31	39.2
	Minimum	47	34	26	36	34	24	21	12	10	9	12	12	23	21	19	29	34	21	17	34	25	23	20	24	27	24	20	17	30	21	10	23.1
Reading	Maximum	67	48	42	50	44	46	33	27	24	25	24	34	40	39	40	47	44	41	52	40	44	40	37	38	35	42	31	44	49	33	33	39.8
	Minimum	43	38	34	38	33	29	22	19	15	13	15	16	27	26	25	36	32	27	28	35	31	31	27	32	30	23	18	21	32	21	17	26.9
Ridgway	Maximum	48	44	45	37	35	35	25	23	24	23	17	30	37	29	39	38	33	40	40	32	41	36	43	32	36	42	30	46	44	32	36	35.2
	Minimum	43	33	24	39	30	23	11	13	4	1	−1	7	14	22	20	20	31	21	20	28	23	22	21	25	25	30	9	8	9	14	7	18.0
Scranton	Maximum	65	46	41	47	39	36	24	20	17	22	16	28	35	37	34	42	37	37	52	38	43	36	35	34	33	42	23	44	40	28	33	35.6
	Minimum	41	37	30	36	31	24	20	10	8	10	11	12	22	19	18	29	29	22	26	33	31	25	24	26	26	18	12	18	28	14	11	22.6
Selinsgrove	Maximum	65	49	46	45	38	39	39	28	28	32	34	30	40	38	39	[illegible]	46	41	48	35	40	45	38	37	34	42	36	35	49	40	30	39.7
	Minimum	45	37	28	35	24	29	19	17	10	8	13	12	30	19	18	29	27	34	20	28	25	30	26	27	34	27	16	15	29	22	12	23.9
Somerset	Maximum	60	42	37	43	32	42	33	23	20	15	14	22	28	29	35	43	40	35	39	36	41	35	47	40	39	46	40	51	46	33	30	36.0
	Minimum	35	29	19	28	24	16	17	9	12	12	−10	5	19	19	19	23	26	10	25	25	12	23	21	26	27	26	7	9	33	20	8	18.8
State College	Maximum	63	44	39	40	35	37	32	23	28	27	20	32	37	32	35	44	41	39	37	37	40	40	43	42	37	42	29	36	45	32	28	36.6
	Minimum	39	33	34	29	23	13	15	11	8	7	7	9	19	22	21	33	33	22	24	28	22	28	24	27	26	20	10	12	28	18	8	21.6
Stroudsburg	Maximum	59	65	51	50	40	38	28	27	25	23	19	30	40	39	40	45	40	40	51	40	45	40	38	40	44	48	50	40	45	35	40	40.5
	Minimum	34	29	27	37	32	28	20	12	11	7	12	10	19	20	21	19	20	16	20	28	25	25	18	22	25	10	23	25	10	22	25	20.9
Towanda	Maximum	65	47	40	46	38	34	26	19	20	21	15	31	34	36	36	42	38	35	48	43	42	35	37	38	33	42	26	37	42	32	33	35.8
	Minimum	40	34	27	34	34	24	16	7	5	5	9	11	24	15	16	32	29	14	23	32	29	25	23	25	23	21	11	11	30	10	4	20.6
Uniontown	Maximum	68	51	48	47	40	44	36	26	24	23	20	25	33	38	39	47	44	45	52	43	47	41	52	46	36	48	51	43	49	39	41	42.1
	Minimum	40	30	27	33	26	20	23	16	19	17	0	14	24	25	21	30	33	20	35	30	19	35	28	30	34	30	11	24	39	26	21	25.2
Vandergrift	Maximum	70	52	48	50	39	42	34	27	29	22	20	29	39	37	38	45	40	39	47	42	44	41	50	42	44	48	34	53	49	35	41	40.9
	Minimum	38	29	27	30	27	24	19	19	10	9	3	15	27	27	22	34	31	22	31	31	24	27	27	28	33	19	13	20	33	17	14	23.7
Warren	Maximum	60	50	38	44	35	31	30	24	26	17	16	24	32	33	32	38	35	36	40	40	34	40	42	40	38	36	25	44	44	31	30	34.5
	Minimum	50	35	27	35	29	28	13	10	4	5	8	10	24	22	23	23	28	18	27	28	29	29	28	26	24	14	11	14	31	14	9	21.8
Waynesburg	Maximum	68	48	48	48	38	42	35	29	26	24	22	26	34	30	34	37	44	41	50	44	44	41	50	46	46	51	40	54	50	39	41	41.5
	Minimum	39	31	23	28	23	18	23	16	16	17	2	14	25	23	27	23	32	19	27	30	18	33	28	28	32	26	10	25	37	24	16	23.6
Wellsboro	Maximum	63	38	35	39	42	33	28	19	15	20	12	25	33	33	34	37	40	38	36	41	38	39	36	39	36	40	25	38	43	37	32	34.3
	Minimum	36	32	22	32	29	20	3	3	−2	−3	0	6	10	7	8	25	27	10	19	27	26	25	24	20	20	17	5	7	27	27	1	16.5
Williamsport	Maximum	43	48	42	35	39	36	28	26	25	22	22	27	38	35	36	43	43	37	42	43	41	39	37	33	39	36	30	34	44	38	29	35.8
	Minimum	42	37	27	33	35	26	18	17	12	12	12	12	27	22	17	27	34	18	27	34	29	31	26	27	26	30	16	14	31	20	10	24.1
Williamstown	Maximum	62	50	45	45	39	39	37	25	22	23	19	28	36	35	39	43	43	41	45	45	42	40	40	39	33	41	34	51	42	45	43	39.1
	Minimum	44	33	28	32	30	25	17	14	12	8	9	11	22	19	21	30	31	21	22	30	26	29	24	29	25	26	11	19	16	12	10	21.7
York	Maximum	65	51	43	50	42	48	38	30	28	21	21	31	40	40	43	48	45	41	49	45	42	42	40	38	36	44	41	48	54	44	32	41.4
	Minimum	49	32	27	39	33	23	26	17	18	12	15	15	20	18	19	28	35	21	21	37	24	28	22	27	30	25	18	18	31	28	13	24.8

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION,
G. S. BLISS.
PHILADELPHIA, P.

VOL. XXXIX. ANNUAL SUMMARY, 1934. No. 13.

GENERAL SUMMARY.

This year was marked by some unusual extremes, but considered as a whole it was moderately warm and dry. The excess in temperature was less than one degree, and the deficiency in moisture a little more than three inches. The first half of January was decidedly mild, and there were a few dates on which no freezing occurred in any part of the State. A short cold period centered on the 18th, after which temperatures were moderate until the 29th when a cold wave spread over the State and continued until the close of the month. The snowfall averaged less than one-fourth of the January normal. Moderately heavy snows occurred near Lake Erie. The only severe storm conditions for the month were the gales that attended the cold wave. This cold wave was the beginning of severe conditions that continued through the whole month of February, which was the coldest month in Pennsylvania during the last 47 years with the single exception of January, 1918. The temperatures for February averaged exactly ten degrees below the February normal. At a fairly large number of stations, including Philadelphia, it was the coldest month ever known. On the 9th the mean temperature at Philadelphia was zero, and the minimum eleven degrees below zero, it being the coldest day of the last century. Although the precipitation was less than the February average, the snowfall was unusually heavy, especially in the southeastern counties. The February cold period ended March 1st, and the next few days were so mild that many persons believed that spring had really arrived. Most of the heavy snow-cover melted from the fields, and the ice broke up in the rivers. However, March, as a whole was moderately cold and very changeable. Precipitation was deficient, but the snowfall was exactly normal. As in February, the March snows were heaviest in the southeastern counties. April temperatures were mostly seasonable, and the rainfall was slightly deficient. During the month it became known that the February cold had killed the peach crop, and had seriously damaged other orchard fruits. Florists reported that more than one-half of the roses had been winter-killed. Temperatures for May showed an average excess of nearly three degrees, despite the fact that frosts and freezing occurred later than usual. The precipitation averaged less than two-thirds of the May normal, with greatest deficiencies in the western portion of the State. June was the hottest of record for Pennsylvania, and the high temperatures were accompanied by a shortage of rainfall in nearly all parts of the State. Each month of 1934 had shown a deficiency in precipitation, and the accumulated shortage for the six months was about twenty-five per cent. It was greatest in the western and northern counties, where the drought conditions became critical. Grains were short of straw, and the first cutting of hay was generally light. Wheat and rye were less stunted by the drought, and harvest was in progress at the end of the month. July was the third warmest of record, and rains were generally light until near the end of the month when heavy thundershowers covered about three-fourths of the State. They did not reach the northwestern counties, and the drought in that region increased in intensity. Many severe local storms occurred during the last week. August was the first month of 1934 to show an excess of precipitation. Its rains were generally beneficial, especially to pastures and meadows, but came too late to completely repair the damage that had been done to most field crops. The rainfall for September was heaviest of record, being almost twice the September normal. Field work made slow progress, but pastures and meadows became unusually good for the season, and most late truck crops were improved. The tobacco crop was badly damaged by rust. October was a pleasant month with less than half of its average rainfall. November was warm and generally pleasant and favorable for outdoor work. Its precipitation was about twenty-five per cent above the average. December showed a slight deficiency in temperature, due to a cold period that centered on the 10th and 11th. Its rainfall and snowfall were below the December average.

COMPARATIVE DATA (ANNUAL)

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest annual	Least annual	Average snowfall	.01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1888....	47.9	−2.1	100	−31	45.91	+3.53	64.11	22.80	39.7	130	110	116	140
1889....	49.8	−0.2	96	−27	52.67	+10.29	73.00	31.72	22.3	136	112	113	140
1890 ...	50.5	+0.5	101	−18	51.28	+8.90	71.00	34.02	55.5	141	106	116	143
1891....	50.6	+0.6	100	−14	45.65	+3.27	64.00	32.21	34.1	124	124	108	133
1892....	49.3	−0.7	103	−28	41.30	−1.08	54.63	32.07	54.0	125	123	106	137
1893....	48.7	−1.3	102	−25	44.26	+1.88	58.56	30.62	61.6	126	116	120	129
1894....	51.3	+1.3	103	−28	43.69	+1.31	57.43	28.17	63.1	117	132	116	117
1895....	49.4	−0.6	104	−25	33.51	−8.87	40.80	21.17	39.7	104	143	115	107
1896....	50.5	+0.5	101	−26	41.95	−0.43	53.52	32.29	42.4	114	124	113	129
1897....	50.0	0.0	103	−12	42.73	+0.35	55.16	19.83	37.2	124	128	106	131
1898....	51.3	+1.3	107	−16	45.49	+3.11	56.95	34.07	38.8	130	123	107	135
1899....	50.0	0.0	101	−39	40.93	−1.45	51.13	28.36	47.9	112	134	111	120
1900....	51.5	+1.5	104	−23	37.31	−5.07	55.68	25.73	33.3	111	130	114	121
1901....	49.4	−0.6	107	−22	45.54	+3.16	56.83	29.81	35.4	123	118	111	136
1902....	49.6	−0.4	100	−24	47.29	+4.91	65.05	29.79	60.3	125	123	115	127
1903....	49.6	−0.4	99	−17	46.27	+3.89	57.16	35.90	37.3	121	130	105	130
1904....	47.5	−2.5	99	−42	40.44	−1.94	56.72	31.05	50.8	127	133	104	129
1905....	49.4	−0.6	99	−25	43.34	+0.96	59.38	33.53	40.9	128	133	109	123
1906....	50.8	+0.8	99	−21	42.78	+0.40	61.56	32.55	45.0	129	128	104	133
1907....	48.5	−1.5	98	−23	45.45	+3.07	64.05	31.79	54.5	132	136	102	127
1908....	50.9	+0.9	104	−29	39.58	−2.80	50.26	26.72	54.4	108	157	104	105
1909....	50.2	+0.2	100	−19	37.38	−5.00	48.79	27.91	41.4	117	140	102	123
1910....	49.9	−0.1	99	−22	38.99	−3.39	51.45	31.08	67.6	119	135	99	131
1911....	51.1	+1.1	105	−18	45.52	+3.14	67.61	29.25	39.2	133	131	93	141
1912....	49.0	−1.0	100	−35	44.13	+1.75	60.95	33.08	38.6	126	133	99	134
1913....	51.7	+1.7	102	−9	43.25	+0.87	56.06	32.48	24.4	125	148	84	133
1914....	49.3	−0.7	101	−28	38.24	−4.14	54.33	28.83	64.2	122	144	97	124
1915....	50.1	+0.1	99	−26	44.26	+1.88	61.96	33.40	42.8	131	141	99	125
1916....	49.6	−0.4	103	−31	40.98	−1.40	58.50	31.05	51.4	133	153	100	113
1917....	47.3	−2.7	105	−29	41.71	−0.67	62.68	23.65	45.6	130	143	110	112
1918....	50.2	+0.2	108	−34	41.06	−1.32	60.60	29.97	43.4	124	156	98	111
1919....	51.1	+1.1	104	−23	46.86	+4.48	58.30	31.55	26.2	136	152	96	117
1920....	49.2	−0.8	99	−23	40.63	−1.75	58.70	26.67	46.0	101	146	102	118
1921....	53.1	+3.1	104	−15	41.80	−0.58	62.91	30.08	30.2	130	155	96	114
1922....	51.4	+1.4	100	−19	34.88	−7.50	50.96	26.27	39.1	119	155	97	113
1923....	50.4	+0.4	103	−20	39.17	−3.21	52.84	23.75	40.7	125	158	91	116
1924....	48.4	−1.6	102	−25	43.13	+0.75	55.80	30.21	44.1	123	151	97	118
1925....	50.3	+0.3	104	−29	37.86	−4.52	55.47	25.95	44.2	124	149	101	115
1926....	48.7	−1.3	105	−20	43.11	+0.73	57.03	30.06	49.8	135	136	99	130
1927....	50.9	+0.9	100	−24	47.30	+4.92	63.93	32.88	30.3	140	142	91	132
1928....	50.5	+0.5	99	−23	42.06	−0.32	54.42	29.52	37.8	131	145	102	119
1929....	50.5	+0.5	101	−20	44.21	+1.83	58.69	33.13	36.7	129	144	99	122
1930....	51.2	+1.2	108	−24	28.82	−13.56	38.11	19.60	27.6	110	153	94	118
1931....	52.8	+2.8	105	−16	37.36	−5.02	51.03	27.04	22.5	123	151	94	120
1932....	51.6	+1.6	105	−14	39.02	−3.36	51.74	25.89	27.8	121	152	92	122
1933....	51.7	+1.7	107	−22	45.43	+3.05	62.55	25.91	33.1	135	146	96	123
1934....	50.6	+0.6	107	−34	39.17	−3.21	53.47	23.84	30.4	118	159	95	111
......	......	......	......	......	......	......	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
Period.	50.0	......	108	−42	42.38	......	73.00	19.60	43.1	125	136	105	124

W. B. O. Philadelphia-3-6-35-1250

Climatological Data for the Year 1934

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic Drainage.																				
Allentown	Lehigh	254	12	49.8	99	June 29	−12	Feb. 9	22	47.22	10.19	Sept.	1.48	Feb.	25.1	119	226	42	87	ne.
Altoona	Blair	1,615	38	......	99	July 26	−20	do. 9	47	36.41	5.93	do.	0.79	do.	......	......	......	......	......	w.
Ardmore	Montgomery	350	3	52.8	101	June 29	−14	do. 9	3	44.69	6.19	do.	1.69	Oct.	46.5	126	......	......	......	......
Bedford	Bedford	1,060	3	51.8	102	July 25†	−20	do. 28	3	34.39	5.92	do.	0.77	Feb.	15.3	97	180	52	133	nw.
Bellefonte	Center	1,050	17	47.9	100	do. 25	−31	do. 28	26	35.08	6.14	do.	0.68	do.	21.0	126	92	112	161	sw.
Bethlehem	Northampton	364	31	52.7	100	June 29†	−13	do. 9	49	47.67	10.80	do.	1.82	do.	24.4	129	205	34	126	w.
Carlisle	Cumberland	467	68	52.9	104	July 25	−18	do. 28	45	40.69	6.90	do.	0.80	do.	38.5	107	196	61	108	nw.
Catawissa	Columbia	520	38	51.6	102	June 29†	−23	do. 28	38	42.51	11.31	do.	1.12	June	26.1	94	205	98	62	......
Center Hall	Center	1,272	33	47.9	98	July 28	−18	do. 9	38	41.79	7.62	do.	0.83	Oct.	40.4	102	207	69	89	......
Chambersburg	Franklin	580	35	53.0	105	do. 25	−11	do. 28	38	46.69	9.21	do.	0.75	Feb.	16.8	112	129	115	121	sw.
Clearfield	Clearfield	1,120	24	......	101	do. 21	−22	do. 28	27	35.32	5.42	do.	1.13	do.‡	40.2	108	139	139	87	nw.
Coatesville	Chester	380	47	52.0	100	June 29	−14	do. 9	47	50.54	6.96	do.	1.24	Oct.	36.4	126	184	35	146	nw.
Colebrook	Lebanon	560	19	49.4	95	do. 29†	−14	do 9†	25	47.17	11.63	do.	1.16	Feb.	21.0	125	191	58	116	w.
Emporium	Cameron	1,050	47	48.2	97	July 25	−28	do. 28	47	36.32	5.86	Aug.	1.14	do.	31.0	129	127	111	127	e.
Ephrata	Lancaster	380	34	53.0	101	June 29†	−14	do. 28	42	51.93	12.16	Sept.	1.35	do.	24.6	117	165	72	124	ne.
Freeland	Luzerne	1,970	41	46.8	93	do. 29	−24	do. 9	41	50.57	7.43	do.	1.69	Oct.	47.2	149	114	121	130	nw.
George School	Bucks	190	28	52.1	99	do. 29	−16	do. 9	28	43.38	8.72	do.	2.10	do.	34.3	141	195	77	93	s.
Gettysburg	Adams	553	59	53.6	101	do. 29	−13	do. 28	61	48.34	15.13	do.	0.98	do.	19.5	121	174	83	108	s.
Gordon	Schuylkill	840	31	48.2	97	do. 29	−22	do. 28	31	47.37	6.86	do.	1.52	Feb.	35.0	111	197	63	105	w.
Gouldsboro	Wayne	1,875	11	41.2	84	do. 30	−24	do. 9	20	44.60	6.62	July	0.96	do.	24.7	111	183	85	97	w.
Hanover	York	600	30	54.3	102	do. 29	−10	do. 9	30	45.12	11.74	Sept.	1.22	Oct.	24.1	115	173	73	119	s.
Harrisburg	Dauphin	374	46	52.6	100	do. 29	−11	do. 9	65	43.34	8.96	do.	1.00	Feb.	17.5	121	111	124	130	w.
Hawley	Wayne	900	16	46.5	95	July 3†	−25	do. 28	16	37.81	7.24	do.	1.22	do.	32.7	131	194	88	83	w.
Holtwood	Lancaster	200	15	53.6	98	do. 7	−9	do. 9	17	41.88	7.25	do.	0.94	Oct.	35.7	118	163	91	111	......
Huntingdon	Huntingdon	650	47	51.0	103	do. 25	−22	do. 28	47	37.71	8.92	do.	0.88	Feb.	14.7	110	158	74	133	w.
Hyndman	Bedford	977	22	53.0	107	do. 26	−17	do. 28	22	30.28	4.78	do.	0.48	do.	12.1	114	151	56	158	......
Kylertown	Clearfield	1,737	5	47.1	101	do. 25	−21	do. 9	5	33.43	5.32	Aug.	1.33	do.	41.1	105	168	126	71	sw.
Lancaster	Lancaster	255	31	52.5	103	June 29	−18	do. 28	47	47.87	9.83	Sept.	1.36	Oct.	30.2	107	176	113	76	sw.
Lawrenceville	Tioga	1,000	37	48.7	99	do. 3†	−34	do. 28	37	33.19	6.38	Aug.	0.80	Feb.	25.5	93	168	97	100	......
Lebanon	Lebanon	469	46	51.5	101	do. 29	−12	do. 9	50	43.29	9.41	Sept.	1.11	do.	24.8	118	202	85	78	sw.
Lock Haven	Clinton	580	44	51.7	102	do. 3†	−16	do. 28	44	37.05	7.46	do.	0.97	do.	28.4	119	105	161	99	sw.
Marcus Hook	Delaware	50	9	56.5	104	do. 30	−12	do. 9	9	47.61	6.80	May	1.39	Oct.	19.2	93	203	80	82	sw.
Mauch Chunk	Carbon	600	45	49.7	100	do. 29	−16	do. 9	45	49.02	8.21	Sept.	1.16	Feb.	23.0	111	180	73	112	s.
Miffliu	Jnniata	445	31	53.2	104	July 25	−17	do. 28	31	34.78	9.51	do.	0.72	do.	13.7	82	157	108	100	w.
Muncy Valley	Sullivan	1,045	22	47.1	98	June 29†	−23	do. 28	22	42.26	10.14	do.	0.72	do.	22.0	95	199	67	99	w.
Neshaminy Falls	Bucks	60	19	51.1	99	do. 29	−18	do. 9	19	46.59	11.63	do.	2.21	Oct.	35.2	129	193	96	76	e.
Palmerton	Carbon	398	8	49.9	98	do. 29	−15	do. 9	17	45.28	10.22	do.	1.22	Feb.	21.7	118	177	92	96	ne.
Philadelphia	Philadelphia	155	63	55.1	102	do. 29	−11	do. 9	63	38.36	6.27	do.	1.54	Oct.	28.3	124	112	113	140	sw.
Quakertown	Bucks	496	47	49.9	97	do. 29	−20	do. 28	49	47.15	9.93	do.	1.90	Feb.	25.7	124	149	98	118	nw.
Reading	Berks	514	37	52.7	99	do. 29	−11	do. 9	57	39.91	8.03	do.	1.61	Oct.	29.7	128	111	137	117	nw.
Retreat	Luzerne	900	1	49.4	98	July 25	−19	do. 28	1	43.06	9.58	do.	1.38	do.	39.5	112	170	82	113	nw.
Scranton	Lackawanna	805	40	49.4	95	do. 6	−19	do. 9	40	34.07	6.74	July	1.06	do.	29.3	130	78	147	140	sw.
Selinsgrove	Snyder	455	45	51.5	100	June 29	−21	do. 28	45	43.00	10.20	Sept.	0.87	Feb.	21.9	131	129	129	107	w.
Shippensburg	Cumberland	660	2	52.9	101	do. 29†	−10	do. 28	2	40.66	7.50	do.	0.65	do.	17.7	117	145	98	122	sw.
State College	Center	1,217	46	49.7	101	July 26	−17	do. 9	50	35.54	6.17	do.	1.25	do.	22.6	117	139	137	89	w.
Stroudsburg	Monroe	500	18	48.4	98	June 29	−18	do. 28	19	48.13	7.85	do.	1.30	do.	21.2	120	190	51	124	nw.
Towanda	Bradford	754	40	48.4	97	July 25	−27	do. 28	40	30.92	6.75	do.	0.84	do.	20.9	122	109	89	167	ne.
Wellsboro	Tioga	1,419	54	46 6	99	do. 25	−30	do. 28	64	27.94	6.16	do.	0.57	May	30.0	93	173	85	107	nw.
Williamsport	Lycoming	521	45	50.9	101	June 29†	−18	do. 28	48	37.34	8.88	do.	0.89	Feb.	24.4	133	153	79	133	w.
Williamstown	Dauphin	1,275	19	51.1	98	do. 29†	−18	do. 9	19	46.44	9.19	do.	1.12	do.	20.5	111	169	111	85	sw.
York	York	400	35	52.8	102	do. 29	−17	do. 28	46	45.95	12.13	do.	1.36	do.	26.6	118	180	109	76	w.
Ohio Drainage.																				
Beaver Dam	Beaver	700	21	52.4	99	June 29†	−15	Feb. 28	42	31.19	5.99	July	0.77	Oct.	21.2	123	123	61	181	sw.
Brookville	Jefferson	1,173	23	......	98	July 26	−30	do. 28	45	35.55	6.05	Aug.	0.96	May	38.4	114	131	123	111	......
Butler	Butler	1,077	11	......	99	do. 26	−24	do. 28	21	34.45	7.35	do.	1.12	do.	......	......	......	......	......	nw.
Chambersville	Indiana	1,047	5	50.0	106	do. 25	−20	do. 28	9	41.38	7.67	do.	0.78	Feb.	32.0	129	149	53	163	w.
Clairton	Allegheny	1,020	4	51.0	103	do. 21	−13	do. 9	4	29.41	8.07	do.	0.72	Oct.	19.4	119	125	93	147	s.
Claysville	Washington	1,150	30	53.1	104	do. 21	−13	do. 9	30	30.05	6.21	do.	0.70	do.	24.9	117	201	53	116	w.
Corry	Erie	1,430	22	47.3	100	do. 24	−30	do. 9	23	35.35	5.71	Nov.	0.73	May	81.5	148	166	117	82	w.
Derry	Westmoreland	1,172	38	52.0	96	do. 25	−19	do. 28	38	45.15	8.28	July	1.02	Feb.	26.8	121	167	108	90	w.
Donora	Washington	762	8	54.3	104	do. 21	−14	do. 28	8	31.81	8.34	Aug.	1.00	Dec.	16.9	123	123	97	145	sw.
Ebensburg	Cambria	2,000	17	48.6	95	do. 26	−21	do. 9	17	41.08	5.76	do.	1.29	Feb.	48.1	122	189	96	80	w.
Elk Lick	Somerset	2,680	17	47.8	95	do. 26	−20	do. 9	17	44.47	5.87	Sept.	1.83	Oct.	86.5	92	182	86	97	w.
Franklin	Venango	957	41	48.4	102	do. 24	−23	do. 28	62	30.53	8.77	Aug.	0.49	May	45.0	141	124	71	170	w.
Greensburg	Westmoreland	1,150	26	52.0	99	do. 26	−15	do. 28	26	38.05	7.67	do.	1.21	Oct.	41.5	139	126	136	103	sw.
Greenville	Mercer	950	38	50.1	102	June 29	−21	do. 9	38	28.83	6.27	do.	0.62	May	37.9	117	156	77	132	......
Grove City	Mercer	1,256	27	49.2	94	July 24	−19	do. 9	27	35.50	7.39	do.	0.81	Feb.	37.0	142	143	100	122	sw.
Irwin	Westmoreland	1,100	35	52.0	98	do. 25	−17	do. 28	38	35.50	7.94	do.	0.58	do.	16.2	119	233	90	42	......
Johnstown	Cambria	1,184	45	52.1	99	do. 25†	−13	do. 28	53	44.51	7.81	do.	1.29	do.	34.4	150	171	94	100	w.
Kane (near)	Elk	2,020	2	44.6	97	do. 22	−29	do. 9	2	35.07	4.51	Sept.	0.75	May	55.2	131	127	77	161	nw.
Lycippus	Westmoreland	1,420	42	52.4	97	do. 25†	−17	do. 9	43	43.44	7.14	Aug.	1.29	Feb.	31.3	97	103	145	117	w.
Meadville	Crawford	1,080	41	49.9	100	do. 24	−22	do. 9	42	32.60	5.98	do.	0.94	May	41.5	126	145	59	161	w.
Mount Lebanon	Allegheny	1,200	9	51.3	101	do. 25	−15	do. 9	9	35.26	10.49	do.	0.85	Oct.	24.1	113	157	65	143	nw.
New Castle	Lawrence	808	54	49.8	98	June 5†	−23	do. 28	50	34.43	6.37	do.	0.81	May	29.4	177	130	157	78	sw.
Newell	Fayette	800	14	......	99	July 23	−17	do. 28	14	29.29	6.35	do.	1.11	Feb.	......	......	......	......	......	sw.
Pittsburgh	Allegheny	842	60	52.7	98	do. 24	−11	do. 9	63	31.67	7.47	do.	0.66	May	24.2	125	101	111	153	sw.
Ridgway	Elk	1,350	19	46.4	100	do. 25	−29	do. 27	29	31.67	5.19	do.	0.77	Feb.	30.6	144	125	82	158	sw.
Sharon	Mercer	940	22	49.7	103	do. 24†	−20	do. 9	22	24.87	5.88	do.	0.51	Oct.	15.2	92	137	113	115	s.
Somerset	Somerset	2,190	67	47.0	95	do. 26	−29	do. 28	52	41.88	7.53	July	1.03	Feb.	51.9	136	86	105	174	sw.
Uniontown	Fayette	1,100	45	53.5	102	do. 21†	−16	do. 28	46	36.29	7.11	do.	1.16	do.	41.0	123	157	121	87	sw.
Vandergrift	Westmoreland	825	21	......	102	do. 25	−17	do. 28	21	36.86	8.75	Aug.	1.01	do.	......	109	......	......	......	......
Warren	Warren	1,180	40	48.4	95	June 3	−27	do. 9	45	32.39	4.56	Mar.	0.57	May	69.2	150	152	89	124	sw.
Waynesburg	Greene	1,035	4	53.0	101	July 21†	−13	do. 28	4	37.98	5.38	July	1.00	Oct.	17.0	99	64	180	121	sw.
Lake Drainage.																				
Erie	Erie	714	62	49.3	97	June 2	−13	Feb. 9	62	23.84	3.15	Aug.	0.55	May	37.4	141	126	110	129	n.
For the State§	......	......	......	50.6	107	July 26	−34	Feb. 28	......	39.17	15.13	Sept.	0.37	May	30.4	118	159	95	111	w.

† On other days also. * Monthly amount interpolated: annual amount partly interpolated. § From all available records. ‡ Also May

Monthly and Annual Precipitation for the Year 1934, with Departures from the Normal

	Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
		Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Delaware Basin.	Allentown	2.69	-0.82	1.48	-1.64	2.60	-0.62	4.08	+0.32	4.57	+1.03	5.00	+1.55	3.97	-0.81	4.17	-0.44	10.19	+6.84	1.82	-1.52	3.05	+0.37	3.60	+0.17	47.22	+4.43
	Ardmore	3.00	-0.59	2.80	-0.59	3.68	+0.15	3.16	-0.89	4.97	+1.12	3.86	-0.12	5.34	+1.05	3.64	-1.82	6.19	+2.24	1.69	-1.23	3.70	+0.16	2.66	-0.65	44.69	-1.17
	Bethlehem	2.94	-0.61	1.82	-1.55	3.45	+0.04	3.36	+0.13	3.61	+0.04	5.53	+1.49	3.62	-0.98	3.72	-0.58	10.80	+7.46	1.85	-1.36	4.17	+1.07	2.80	-0.52	47.67	+4.63
	Coatesville	4.01	+0.04	2.61	-1.35	5.31	+1.23	3.54	-0.23	4.73	+0.79	6.15	+2.08	4.34	-0.48	3.87	-0.50	6.96	+3.12	1.24	-2.17	4.73	+1.57	3.05	-0.86	50.54	+3.24
	Conshohocken	2.82	-0.38	3.22	-0.08	......	......	3.17	-0.55	3.82	+0.26	......	......	2.88	-1.71	3.53	-1.34	6.36	+3.06	......	......	......	......	2.91	+0.29	......	......
	Doylestown	2.93	-0.57	3.74	+0.06	3.94	+0.24	3.73	-0.24	4.85	+0.95	5.52	+1.60	2.79	-2.09	4.18	-1.05	9.04	+5.24	1.84	-1.88	3.08	-0.07	2.38	-1.31	48.02	+0.88
	Freeland	3.41	-0.16	1.80	-1.40	2.96	-0.61	5.38	+1.02	4.38	0.00	3.73	-0.81	7.24	+2.48	2.96	-1.69	7.43	+3.65	1.69	-2.18	5.25	+1.57	4.34	+0.88	50.57	+2.75
	George School	3.32	+0.16	2.51	-0.58	2.96	-0.21	3.58	-0.05	4.84	+1.33	3.26	-0.11	2.16	-2.18	4.20	-0.40	8.72	+5.45	2.10	-1.04	3.11	+0.52	2.62	-0.75	43.38	+2.14
	Gouldsboro	2.59	-0.60	0.96	-2.14	4.65	+1.61	3.04	-0.77	4.15	-0.02	2.41	-2.58	6.62	+1.60	3.68	-0.66	6.06	+2.42	2.03	-1.80	3.95	+0.68	4.46	+1.63	44.60	-0.63
	Graterford	2.70	-0.36	1.86	-1.39	3.78	+0.95	3.48	-0.13	4.97	+1.92	5.90	+2.44	5.91	+1.45	3.62	+0.05	8.85	+6.25	1.76	-0.78	3.73	+1.04	2.01	-0.71	48.57	+10.78
	Hamburg	4.01	+0.50	1.35	-2.08	3.79	-0.01	5.52	+1.40	2.72	-1.69	4.25	+0.04	6.71	+1.79	3.44	-1.56	9.88	+5.83	1.96	-1.83	2.79	-0.09	3.52	-0.07	49.94	+2.23
	Hawley	1.90	-0.68	1.22	-1.32	1.94	-0.84	3.21	-0.22	3.26	-0.27	2.51	-1.28	5.65	+1.59	2.78	-1.27	7.24	+3.88	1.74	-1.54	2.80	+0.08	3.56	+0.68	37.81	-1.19
	Hollisterville	2.38	......	1.39	......	1.67	......	2.41	......	2.06	......	3.39	......	6.16	......	2.68	......	5.12	......	1.70	......	2.86	......	3.44	......	35.26	......
	Lakeville	2.00	......	1.41	......	1.13	......	3.20	......	3.63	......	3.00	......	7.12	......	2.92	......	6.83	......	1.65	......	2.79	......	3.79	......	35.47	......
	Lansford	2.57	-0.57	1.37	-1.39	2.15	-0.85	5.23	+1.67	3.75	+0.16	4.05	-0.51	3.51	-0.79	3.63	-0.75	8.50	+4.68	1.62	-2.47	4.45	+1.73	5.63	+2.29	46.46	+3.20
	Marcus Hook	2.69	......	2.40	......	3.93	......	4.65	......	6.80	......	4.06	......	5.72	......	5.31	......	4.93	......	1.39	......	3.65	......	2.14	......	47.61	......
	Matamoras	2.15	-0.55	1.33	-1.24	2.03	-1.05	5.27	+1.81	5.03	+0.75	4.25	+0.28	3.03	-0.62	2.19	-1.57	7.62	+4.36	2.22	-0.92	2.71	-0.07	2.89	-0.09	40.72	+2.09
	Mauch Chunk	3.27	-0.47	1.16	-2.58	3.87	-0.32	3.87	-0.09	4.20	+0.19	2.94	-1.48	5.29	+0.40	3.31	-1.45	8.21	+4.21	1.51	-2.28	7.38	+3.94	4.01	+0.01	49.02	+0.08
	Mount Pocono	1.57	-1.66	1.38	-1.64	2.19	-1.34	4.11	+0.11	4.90	+0.90	4.53	-0.72	5.72	+0.55	3.80	-0.44	11.00	+6.04	1.81	-3.05	6.16	+3.15	3.23	-0.35	50.40	+1.55
	Neshaminy Falls	3.46	+0.34	2.29	-0.57	3.53	+0.76	3.51	+0.13	4.96	+1.33	2.94	-1.48	2.94	-1.71	3.14	-1.68	11.63	+8.23	2.21	-0.95	3.09	+0.67	2.77	-0.50	46.59	+5.35
	Palmerton	2.10	-0.47	1.22	-1.01	2.46	-0.13	2.76	-0.46	4.47	+0.62	4.63	+0.40	4.27	-0.04	2.42	-1.29	10.22	+6.75	1.71	-1.42	5.70	+2.81	3.32	+0.97	45.28	+6.72
	Paupack	2.29	-0.35	1.35	-1.27	2.02	-1.09	3.97	+0.09	3.66	-0.08	2.77	-1.21	4.83	+0.59	2.23	-2.43	6.95	+2.93	1.85	-1.95	3.41	+0.49	3.88	+0.93	39.21	-3.19
	Philadelphia	2.91	-0.39	2.75	-0.57	2.92	-0.47	3.11	+0.06	3.92	+0.66	3.22	-0.02	2.18	-1.97	4.29	-0.33	6.27	+3.13	1.54	-1.27	2.64	-0.06	2.61	-0.82	38.36	-2.05
	Philadelphia-Gtn	3.19	......	2.82	......	3.05	......	3.59	......	5.04	......	3.26	......	4.76	......	4.03	......	6.35	......	1.70	......	3.44	......	2.76	......	43.99	......
	Phila. Navy Yard	2.92	-0.19	2.87	-0.49	2.02	-1.10	3.22	-0.17	3.30	+0.09	4.12	+0.31	1.22	-3.70	3.98	-0.56	4.81	+1.66	1.38	-1.26	2.14	-0.21	2.84	-0.26	34.82	-5.88
	Phila-Point Breeze	3.76	......	2.72	......	2.88	......	2.97	......	4.08	......	3.65	......	2.49	......	4.97	......	5.27	......	1.37	......	3.23	......	2.59	......	39.98	......
	Phoenixville	3.47	-0.19	2.39	-0.87	4.01	+0.70	3.80	+0.27	4.73	+0.77	4.69	+1.08	7.04	+2.14	4.50	-0.16	7.61	+4.36	1.79	-1.38	3.97	+1.10	2.69	-0.43	50.69	+7.89
	Pleasant Mount	3.08	-1.17	1.43	-2.07	3.84	+0.03	3.66	-0.30	2.93	-1.72	4.69	-0.06	7.37	+1.77	4.44	+0.14	9.59	+5.86	1.58	-2.56	5.57	+1.52	3.16	+0.12	51.34	+1.56
	Pottstown	2.03	-1.33	1.82	-1.62	3.01	-0.54	1.66	-1.61	2.42	-1.71	2.10	-1.66	6.48	+1.45	1.80	-2.21	8.06	+4.79	1.54	-1.56	2.54	-0.49	2.36	-1.08	35.82	-7.57
	Pottsville	3.08	-0.76	1.01	-2.58	3.07	-0.84	4.08	+0.40	4.19	-0.15	3.94	-0.48	3.91	-0.93	5.55	+0.69	7.45	+3.45	1.55	-2.43	5.11	+1.76	3.56	-0.29	46.50	-2.16
	Quakertown	3.47	-0.01	1.90	-1.74	4.28	+0.75	3.96	+0.61	4.18	+0.30	4.04	+0.42	4.07	-0.89	3.47	-0.90	9.93	+6.30	2.01	-1.33	3.50	+0.36	2.34	-1.10	47.15	+2.77
	Reading	2.64	-0.93	1.96	-1.46	4.27	+0.75	2.56	-0.71	3.03	-0.64	2.02	-1.53	6.53	+2.27	2.11	-2.10	8.03	+4.82	1.61	-1.51	2.85	+0.12	2.30	-1.26	39.91	-2.18
	Shawmont	3.35	+0.07	1.74	-1.53	2.92	-0.49	3.68	+0.38	3.79	+0.47	3.79	+0.30	3.50	-0.86	3.58	-1.45	6.72	+3.44	1.44	-1.72	3.40	+0.58	2.52	-1.05	40.43	-1.86
	Snow Hill	3.29	......	1.25	......	3.26	......	4.93	......	4.69	......	4.10	......	3.66	......	3.13	......	9.14	......	1.49	......	5.23	......	3.89	......	48.06	......
	Stroudsburg	3.80	+0.69	1.30	-1.69	1.74	-1.91	4.67	+0.61	4.76	+1.27	5.78	+1.28	4.83	-0.34	2.67	-2.30	7.85	+4.96	2.27	-1.44	5.91	+2.63	2.55	-0.78	48.13	+2.98
	West Chester	3.40	-0.39	2.55	-1.27	3.34	-0.56	2.50	-1.29	4.54	+0.22	5.63	+1.36	5.86	+1.16	*4.21	-0.42	6.66	+2.77	1.32	-2.32	4.32	+0.79	2.61	-1.29	46.94	-1.24
	Westgrove	3.09	......	2.71	......	2.97	......	4.85	......	4.10	......	4.36	......	2.33	......	4.41	......	6.19	......	1.10	......	4.04	......	3.39	......	43.54	......
	Zionsville	3.25	......	2.83	......	4.31	......	4.30	......	3.60	......	5.35	......	3.70	......	2.81	......	12.59	......	2.01	......	5.41	......	3.31	......	53.47	......
Susquehanna Basin.	Altoona	3.04	+0.45	0.79	-1.42	2.64	-0.08	2.80	-0.31	1.21	-2.73	4.65	+0.79	3.33	-0.21	4.71	+1.38	5.93	+3.06	1.13	-1.54	3.68	+1.45	*2.32	-0.10	36.41	+0.90
	Ansonia	1.50	-0.60	0.65	-1.26	1.91	-0.23	2.46	-1.03	1.12	-2.54	3.60	-0.34	3.44	+0.26	4.18	+0.78	4.30	+1.15	1.06	-1.87	3.35	+1.21	1.58	-0.32	29.15	-4.81
	Arendtsvile	......	......	......	......	......	......	......	......	......	......	6.04	+1.62	2.51	-1.35	5.96	+2.48	14.09	†	0.53	-2.83	4.10	+1.41	4.75	+1.94	......	......
	Baker's Summit	2.75	+0.02	0.65	-2.53	2.44	-0.21	2.38	-1.33	1.17	-1.56	4.15	-0.19	3.64	+0.36	5.15	+2.33	5.92	+3.65	0.85	-3.12	3.24	+0.50	2.22	-0.14	34.56	-2.22
	Bedford	3.00	......	0.77	......	2.77	......	2.58	......	1.74	......	3.54	......	3.26	......	4.69	......	5.92	......	1.02	......	3.26	......	1.84	......	34.39	......
	Bellefonte	1.44	-1.33	0.68	-1.76	2.50	-0.92	3.04	-0.98	1.06	-2.65	4.35	-0.53	5.83	+2.07	3.96	+0.12	6.14	+3.03	1.30	-1.73	2.89	+0.78	1.89	-0.79	35.08	-5.69
	Bloserville	2.45	-0.90	0.52	-2.08	3.33	+0.36	2.49	-1.37	3.68	-0.50	3.46	-1.85	2.13	-2.91	4.20	-1.34	9.51	+5.50	1.12	-2.51	6.58	+3.89	4.20	+1.28	43.67	-3.43
	Buffalo Mills	2.63	......	0.53	......	1.48	......	2.10	......	1.55	......	3.77	......	2.01	......	4.46	......	4.94	......	0.99	......	3.43	......	1.97	......	29.86	......
	Carlisle	2.62	-0.50	0.80	-2.27	3.39	+0.01	2.79	-0.65	3.66	-0.14	2.63	-1.45	3.93	+0.09	5.62	+1.18	6.90	+3.42	1.00	-2.23	3.90	+0.79	3.45	+0.61	40.69	-1.14
	Catawissa	2.15	-1.01	1.50	-1.19	3.94	+1.05	2.69	-0.85	3.06	-0.54	1.12	-2.85	3.83	+0.19	3.66	-0.10	11.31	+7.89	1.19	-1.91	4.95	+2.21	3.11	+0.32	42.51	+3.21
	Cedar Run	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
	Center Hall	3.12	+0.56	1.36	-1.10	2.59	-0.46	2.91	-0.18	2.15	-1.88	3.35	-1.07	5.25	+1.32	4.43	+0.75	7.62	+4.55	0.83	-2.09	5.82	+3.56	2.36	-0.17	41.79	+3.79
	Clearfield	4.17	+0.55	1.13	-1.60	2.56	-0.82	1.97	-1.70	1.13	-3.35	3.91	-1.05	2.87	-1.31	4.87	+0.76	5.42	+1.94	1.91	-1.33	3.83	+0.78	1.55	-1.41	35.32	-8.54
	Colebrook	3.19	-0.16	1.16	-1.90	3.48	+0.02	3.16	-0.94	3.69	+0.48	3.96	-0.26	3.81	-0.64	4.99	+0.34	11.63	+8.06	1.85	-1.43	3.56	+0.98	2.69	-0.54	47.17	+4.01
	Emporium	2.82	-0.72	1.14	-1.86	3.28	-0.34	2.27	-1.29	1.45	-2.94	3.40	-1.10	4.07	-0.26	5.86	+1.97	3.90	+0.41	1.93	-1.32	3.93	+1.04	2.27	-0.96	36.32	-7.37
	Ephrata	2.92	-0.12	1.35	-1.74	4.17	+0.78	3.22	-0.31	3.32	-0.07	5.11	+0.79	7.83	+3.50	3.84	-0.69	12.16	+8.69	1.61	-1.47	3.88	+1.41	2.52	-0.70	51.93	+10.07
	Forest City	2.02	-0.53	1.13	-1.13	1.39	-0.92	3.36	-0.57	3.61	-0.31	2.80	-1.83	5.85	+1.39	4.80	+0.47	5.88	+2.17	2.61	-0.75	4.57	+1.26	2.47	+0.03	40.49	-0.72
	Galeton	2.06	......	0.90	......	3.47	......	2.30	......	1.02	......	2.42	......	3.82	......	5.45	......	4.58	......	1.40	......	4.08	......	2.02	......	33.52	......
	Girardville	2.55	-1.57	1.82	-2.00	3.25	-0.90	3.10	-0.98	4.48	+0.06	2.70	-2.15	2.70	-2.66	5.34	+0.39	7.36	+3.08	1.58	-2.59	6.15	+2.65	4.50	+0.38	45.53	-6.29
	Gordon	3.18	-0.64	1.52	-1.85	3.86	+0.04	4.04	-0.32	4.15	+0.29	3.37	-1.17	2.32	-2.68	5.15	+0.91	6.86	+2.63	1.72	-2.47	6.42	+3.28	4.78	+0.96	47.37	-1.03
	Hanover	2.21	-0.96	1.43	-1.27	3.48	+0.42	2.98	-0.54	4.32	+1.08	2.89	-1.10	4.05	-0.20	5.26	+1.00	11.74	+8.66	1.22	-1.65	2.63	+0.49	2.91	-0.14	45.12	+5.79
	Harrisburg	2.78	-0.31	1.00	-1.96	3.34	+0.30	2.80	+0.11	3.63	+0.19	3.52	-0.07	2.68	-1.15	5.08	+1.04	8.96	+5.91	1.40	-1.53	3.82	+1.56	4.33	+1.31	43.34	+5.40
	Holtwood	2.56	-0.72	2.44	-0.54	3.72	+1.06	2.88	-0.05	4.04	+1.16	2.32	-1.02	2.03	-2.10	6.47	+2.72	7.25	+4.74	0.94	-1.54	4.15	+1.83	3.08	+0.72	41.88	+6.56
	Huntingdon	2.27	-0.96	0.88	-1.97	2.41	-0.94	2.71	-0.73	1.07	-3.07	5.59	+1.31	3.92	-0.05	3.72	-0.06	8.92	+5.61	1.17	-1.82	2.87	+0.49	2.18	-0.75	37.71	-2.94
	Kylertown	3.20	......	1.33	......	2.04	......	2.88	......	1.90	......	3.50	......	2.77	......	5.32	......	3.87	......	1.66	......	3.08	......	1.88	......	33.43	......
	Lancaster	2.41	-0.83	2.10	-0.61	4.55	+1.22	3.98	+0.49	4.35	+1.12	3.51	-0.46	5.41	+1.53	4.39	+0.59	9.83	+6.47	1.36	-1.75	3.40	+0.87	2.58	-0.54	47.87	+8.10
	Lawrenceville	1.15	-0.82	0.80	-1.01	2.50	+0.19	1.14	-1.90	1.37	-2.21	3.77	-0.19	5.50	+1.48	6.38	+2.83	6.25	+3.24	0.95	-1.83	2.10	-0.23	1.28	-0.72	33.19	-1.17
	Lebanon	3.06	-0.39	1.11	-2.23	3.19	-0.37	3.34	-0.14	2.96	-0.90	3.36	-0.79	3.78	-0.61	3.52	-0.78	9.41	+6.08	1.85	-1.63	4.30	+1.41	3.41	+0.01	43.29	-0.33
	Lewisburg	2.33	-0.67	1.07	-1.76	3.46	-0.04	2.89	-0.68	3.06	-0.70	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
	Lock Haven	1.87	-1.27	0.97	-1.81	3.26	-0.09	3.66	+0.21	1.02	-2.87	2.89	-1.46	6.06	+2.01	3.24	-0.83	7.46	+4.05	1.54	-1.60	3.29	+0.88	1.79	-1.17	37.05	-3.95
	Mifflin	2.21	-0.72	0.72	-1.71	2.14	-0.74	1.93	-1.85	1.70	-2.06	2.56	-1.87	3.88	-0.59	2.04	-1.89	9.51	+6.03	0.96	-2.24	4.06	+1.86	3.07	+0.36	34.78	-5.42
	Montrose	1.42	-1.17	......	......	......	......	3.10	-0.44	1.57	-2.30	2.97	-1.13	5.25	+1.15	1.27	-2.95	......	......	......	......	......	......	......	......	......	......
	Morris Run	1.54	-0.68	0.96	-1.98	3.21	+0.83	2.34	-1.77	0.99	-2.58	3.91	-1.45	3.51	+0.51	4.57	+1.59	6.63	+4.34	1.33	-2.70	4.07	+0.42	2.04	-0.11	35.10	-3.58
	Muncy Valley	2.24	-0.96	0.72	-1.75	3.36	+0.83	4.14	-0.03	2.23	-2.13	3.42	-1.51	2.55	-2.20	4.55	-0.05	10.14	+6.29	0.95	-2.58	4.79	+1.69	3.17	+0.33	42.26	-2.07
	New Park	2.65	-0.03	1.82	-1.48	4.63	+2.47	2.60	-2.01	*4.23	+1.66	3.95	-0.50	1.83	-1.47	6.78	+2.33	8.22	+4.16	0.64	-2.74	3.94	+0.65	2.71	+0.13	44.00	+3.17
	Newport	2.58	......	0.71	......	2.23	......	3.58	......	3.44	......	3.29	......	3.47	......	4.06	......	7.92	......	1.22	......	4.30	......	4.73	......	41.53	......
	Pine Grove	3.13	......	1.05	......	3.72	......	3.74	......	3.54	......	3.85	......	4.34	......	3.76	......	7.12	......	2.01	......	4.83	......	4.67	......	45.76	......
	Renovo	1.49	-1.19	0.80	-1.59	3.89	+0.94	3.42	+0.11	0.90	-2.78	3.58	-0.67	2.54	-1.62	3.24	-0.41	3.16	+0.06	3.15	+0.14	3.04	+0.56	2.38	-0.16	31.59	-6.61
	Retreat	1.60	......	1.69	......	3.79	......	3.57	......	3.95	......	2.71	......	4.71	......	2.80	......	9.58	......	1.38	......	4.06	......	3.22	......	43.06	......
	Scranton	1.58	-1.45	1.31	-1.73	2.78	-0.42	2.27	-0.50	3.32	+0.05	2.45	-1.22	6.74	+2.71	2.75	-0.94	4.40	+1.23	1.06	-1.97	3.09	+0.32	2.32	-0.70	34.07	-4.62
	Selinsgrove	2.23	-0.81	0.87	-2.03	4.83	+1.27	2.90	-0.70	2.26	-1.73	2.84	-1.36	2.92	-1.20	4.20	+0.14	10.20	+6.68	1.49	-2.04	5.04	+2.28	3.22	+0.18	43.00	+0.68
	Shippensburg	2.64	......	0.65	......	3.12	......	2.34	......	3.07	......	2.51	......	4.82	......	3.83	......	7.50	......	0.80	......	5.70	......	3.68	......	40.66	......
	State College	2.08	-0.91	1.25	-1.49	2.70	-0.48	3.16	-0.24	1.46	-2.48	4.14	-0.15	3.37	-0.46	3.35	-0.16	6.17	+3.11	1.27	+1.64	4.03	+1.62	2.56	-0.06	35.54	-3.34
	Sunbury	1.91	-1.29	1.09	-1.70	2.46	-0.38	4.48	+0.69	3.03	-0.67	3.36	-1.08	3.83	-0.25	3.63	+0.15	11.25	+8.32	1.53	-1.68	4.30	+1.98	2.92	+0.14	43.79	+4.23
	Towanda	1.01	-1.05	0.84	-1.15	2.82	+0.26	2.40	-0.60	1.74	-1.45	2.65	-1.16	4.54	+0.78	3.02	-0.41	6.75	+3.60	1.05	-1.88	2.47	+0.30	1.63	-0.61	30.92	-3.37
	Weikert	1.51	-1.63	0.87	-1.68	2.39	-0.82	2.81	-1.30	2.48	-1.42	......	......	......	......	......	......	......	......	......	......	......	......	2.31	-0.39	......	......
	Wellsboro	1.51	-0.98	0.98	-1.30	2.78	-0.29	1.68	-1.80	0.57	-3.29	3.43	-0.56	2.30	-1.45	3.26	-0.25	6.16	+3.00	0.92	-2.16	2.75	+0.13	1.60	-0.86	27.94	-9.81
	Wilkes-Barre	1.80	-0.86	0.97	-1.95	1.96	-1.18	3.63	+0.80	3.55	-0.02	2.33	-1.73	7.51	+3.35	2.94	-0.90	6.93	+3.56	1.14	-1.86	2.62	+0.08	3.86	+0.94	39.24	+0.23
	Williamsport	1.99	-0.96	0.89	-1.71	2.36	-0.84	4.15	+0.67	1.51	-1.90	3.34	-0.59	2.75	-1.14	3.00	-0.98	8.88	+5.61	1.37	-2.03	4.32	+1.74	2.78	-0.14	37.34	-2.27
	Williamstown	2.25	-0.94	1.12	-1.64	2.90	+0.11	3.02	-0.64	4.86	+0.99	3.85	-0.96	3.59	-1.69	4.23	+0.52	9.19	+4.89	1.69	-2.00	5.58	+2.26	4.16	+1.37	46.44	+2.27
	York	2.14	-0.78	1.36	-1.53	3.32	+0.16	2.86	-0.30	4.20	+0.89	2.84	-0.74	4.24	0.00	6.07	+2.12	12.13	+8.82	1.55	-1.46	2.73	+0.24	2.51	-0.42	45.95	+7.00
	York Haven	3.01	+0.23	0.70	-1.92	1.99	-0.55	3.79	+0.29	4.06	+0.51	5.32	+0.44	4.30	+0.22	4.70	+1.50	13.17	+9.67	1.36	-1.82	2.43	+0.28	3.06	+0.65	47.89	+9.50
Ohio Basin.	Beaver Dam	2.06	-0.82	1.09	-1.31	2.48	-0.87	2.67	-0.41	0.95	-2.30	3.61	-1.00	5.99	+2.22	4.75	+1.23	2.41	-0.65	0.77	-1.73	2.86	+0.31	1.55	-1.16	31.19	-6.49
	Beaver Falls	1.90	-0.98	1.09	-1.35	2.15	-0.58	3.05	+0.02	0.58	-2.64	2.49	-1.73	4.01	+0.56	5.29	+1.95	2.59	-0.57	0.81	-1.91	3.25	+0.92	1.58	-1.03	28.79	-7.44
	Bradford	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.22	-1.85	......	......
	Brookville	2.61	-0.47	1.20	-1.17	2.59	-0.49	2.19	-0.71	0.96	-2.63	3.68	-0.62	4.49	+0.19	6.05	+2.18	3.33	0.00	2.36	-0.62	3.79	+0.78	2.30	-0.65	35.55	-4.21
	Butler	2.19	-0.74	1.20	-1.22	*2.53	-0.83	1.80	-1.64	1.12	-2.26	3.12	-1.76	4.37	-0.07	7.35	+3.15	3.77	+0.84	1.41	-1.74	3.56	+0.68	2.03	-0.66	34.45	-6.25

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* Monthly amount interpolated; annual amount partly interpolated.

† +10.45

(Continued on page 64).

Monthly and Annual Precipitation for the Year 1934, with Departures from the Normal.—Continued

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
OHIO BASIN.—Cont.																										
Chambersville	3.21	-0.65	0.78	-2.24	2.97	-0.77	3.17	-0.77	2.86	-1.39	4.39	-0.47	3.86	-0.86	7.67	+3.61	6.29	+2.44	1.54	-1.95	2.82	-0.13	1.82	-1.51	41.38	-4.69
Clairton	1.55	......	0.76	......	2.02	......	1.84	......	1.24	......	3.21	......	2.52	......	8.07	......	4.09	......	0.72	......	2.05	......	1.34	......	29.41	......
Claysville	2.29	-1.01	0.91	-1.60	2.68	-0.65	4.02	+0.56	1.37	-2.25	3.04	-1.37	1.63	-2.55	6.21	+2.42	3.38	+0.17	0.70	-2.59	2.41	-0.01	1.41	-1.57	30.05	-10.45
Clymer	3.29	-0.10	0.75	-2.34	3.10	-0.17	3.48	-0.48	2.56	-1.66	4.35	-0.90	2.26	-3.26	7.68	+3.81	6.30	+2.74	1.74	-1.36	4.28	+0.95	*1.91	-1.16	41.70	-3.93
Confluence	4.95	+0.98	1.55	-1.84	2.99	-0.80	3.17	-0.40	1.06	-2.91	3.91	-0.67	3.70	-0.97	6.58	+2.57	3.86	+0.75	1.31	-1.57	3.89	+0.91	2.23	-1.26	39.20	+5.81
Corry	3.58	+0.12	1.30	-1.95	3.36	+0.02	2.44	-1.23	0.73	-3.55	2.43	-2.89	2.61	-1.02	4.17	+0.57	2.90	-1.08	2.83	-1.20	5.71	+1.49	3.29	-0.14	35.35	-10.86
Coudersport	2.08	-1.24	0.78	-2.11	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Cresson	2.31	-1.30	*1.01	-2.45	2.37	-0.74	2.25	-2.02	1.12	-2.83	5.47	+1.17	3.39	-1.96	5.23	+2.12	5.81	+2.65	1.22	-1.70	3.49	+0.15	*2.30	-0.91	35.97	-7.82
Derry	2.46	-1.42	1.02	-2.12	3.01	-0.87	2.90	-0.88	1.88	-1.72	5.25	+0.36	8.28	+3.72	7.06	+3.03	6.46	+3.35	1.53	-1.65	3.29	+0.56	2.01	-1.27	45.15	+1.09
Donora	1.79	......	1.15	......	2.31	......	2.38	......	1.27	......	4.17	......	2.05	......	8.34	......	3.59	......	1.11	......	2.65	......	1.00	......	31.81	......
Ebensburg	3.53	+0.39	1.29	-1.59	2.94	+0.28	2.63	-0.87	1.58	-2.50	5.32	+0.62	5.12	+0.98	5.76	+1.84	5.59	+2.08	1.56	-1.89	3.42	+0.21	2.34	-0.20	41.08	-0.65
Elk Lick	5.27	+1.61	3.20	-0.18	3.02	-0.24	4.08	+0.04	2.20	-1.80	5.31	-0.30	3.08	-1.04	4.40	-0.05	5.87	+2.83	1.83	-1.78	3.04	-0.11	3.17	+0.08	44.47	-0.94
Franklin	2.45	-1.13	1.06	-1.77	3.16	-0.27	2.38	-0.73	0.49	-3.09	2.77	-1.74	2.61	-1.89	3.77	+0.07	3.48	-0.10	2.75	-0.35	3.37	+0.25	2.24	-1.09	30.53	-11.84
Greensboro	2.83	-0.69	1.21	-1.73	3.37	-0.13	3.04	-0.11	1.81	-1.94	3.29	-1.33	4.97	+0.40	4.04	+0.39	3.00	-0.04	0.99	-1.88	2.95	+0.19	1.42	-1.63	32.92	-8.50
Greensburg	2.22	-1.36	1.62	-1.43	3.39	+0.32	3.38	-0.28	1.35	-2.52	4.94	+0.56	3.76	+0.06	7.67	+3.72	4.33	+1.12	1.21	-1.93	2.65	+0.17	1.53	-1.59	38.05	-3.16
Greenville	2.14	-1.37	1.22	-1.32	2.22	-1.28	1.22	-2.19	0.62	-2.96	2.56	-1.48	1.16	-3.12	6.27	+2.87	4.64	+1.17	1.78	-1.70	3.46	+0.39	1.59	-1.31	28.88	-12.24
Grove City	2.30	-1.00	0.81	-1.53	3.29	+0.13	2.35	-1.22	0.91	-3.22	3.69	-0.34	4.02	-0.30	7.39	+4.13	4.05	+0.49	1.81	-1.57	2.65	-0.39	2.23	-0 80	35.50	-5.62
Herrs Island Dam	2.33	-0.61	0.95	-1.52	2.34	-0.94	2.90	-0.25	0.88	-2.17	4.59	+0.41	4.06	+0.44	7.88	+4.59	4.63	+2.13	0.79	-1.94	2.91	+0.70	1.41	-1.33	35.67	-0.49
Irwin	1.52	-1.40	0.58	-1.86	1.63	-1.68	2.24	-0.96	1.01	-2.21	4.87	+0.44	4.18	+0.36	7.94	+4.23	5.05	+2.33	1.19	-1.66	3.25	+0.88	2.04	-0.87	35.50	-2.40
Johnstown	3.95	-0.24	1.29	-2.49	3.43	-0.60	3.08	-0.96	1.55	-2.87	4.99	-0.18	6.10	+1.73	7.81	+3.48	5.29	+1.76	1.35	-1.66	3.24	+0.21	2.43	-1.18	44.51	-3.00
Kane (near)	3.13	......	1.52	......	3.79	......	2.79	......	0.75	......	2.63	......	3.68	......	4.25	......	4.51	......	1.88	......	4.26	......	1.88	......	35.07	......
Kregar	3.12	......	1.04	......	3.52	......	3.75	......	1.81	......	4.82	......	5.47	......	6.57	......	4.89	......	2.23	......	3.71	......	3.13	......	44.06	......
Lake Lynn	2.84	......	1.26	......	3.49	......	3.52	..	0.87	......	2.20	......	2.86	......	3.47	......	5.05	......	1.06	......	8.09	......	1.54	......	31.25	......
Linesville	2.35	-0.65	0.79	-1.31	2.34	-0.88	2.49	-0.68	0.76	-2.65	2.17	-1.83	1.39	-2.30	7.85	+4.53	3.59	-0.31	1.85	-1.88	3.93	+0.91	2.54	-0.68	32.05	-7.73
Lock No.2 (Neville)	2.14	-1.01	0.67	-2.02	2.21	-0.94	3.46	+0.29	1.44	-1.87	4.36	+0.09	2.90	-0.79	6.16	+3.02	4.48	+1.24	0.38	-2.55	3.05	+0.68	1.32	-1.52	32.57	-5.88
Lock No. 4	2.12	-1.00	0.85	-1.91	2.59	-0.72	2.84	+0.59	1.56	-2.05	3.96	+0.02	2.39	-1.63	6.54	+3.02	3.20	+0.35	1.16	-1.68	2.45	-0.07	1.39	-1.52	31.05	-7.60
Lock No. 5	2.28	-1.48	1.00	-2.16	2.19	-1.39	3.00	-0.38	1.16	-2.71	2.78	-1.60	4.71	+0.51	7.13	+3.45	5.08	+2.05	1.10	-1.78	2.70	-0.25	1.40	-2.05	34.53	-7.72
Lycippus	2.52	-1.47	1.29	-1.90	5.19	+1.46	2.61	-1.22	2.07	-1.89	5.71	+1.03	4.99	+0.14	7.14	+2.96	5.49	+2.22	1.23	-1.92	3.58	+0.84	1.62	-1.76	43.44	-1.51
McKeesport	1.50	......	1.27	......	1.68	......	2.18	......	0.37	......	2.94	......	2.07	......	8.14	......	3.97	......	1.70	......	2.05	......	0.84	......	28.71	......
Meadville	3.22	-0.10	1.15	-1.67	2.52	-0.78	2.16	-1.22	0.94	-3.38	2.15	-1.97	3.56	-0.61	5.98	+2.24	3.37	-0.37	1.99	-1.54	3.20	-0.39	2.36	-0.86	32.60	-10.65
Mosgrove	2.76	......	1.01	......	2.49	......	2.20	......	1.90	......	*3.64	......	2.99	......	4.46	......	4.15	......	1.35	......	3.33	......	1.72	......	32.00	......
Mt. Lebanon	0.97	......	1.03	......	2.44	......	2.40	......	0.99	......	4.19	......	2.92	......	10.49	......	5.10	......	0.85	......	2.41	......	1.47	......	35.26	......
Natrona	2.66	......	1.19	......	2.43	......	3.42	......	2.15	......	3.30	......	4.33	......	6.92	......	4.83	......	1.36	......	2.79	......	1.78	......	37.16	......
New Castle	1.96	-1.06	1.19	-1.23	2.97	+0.06	2.47	-0.52	0.81	-2.57	3.43	-0.88	5.62	+1.50	6.37	+3.16	3.18	+0.04	1.38	-1.34	2.86	+0.46	2.19	-0.39	34.43	-2.77
Newell	2.04	-0.83	1.11	-1.16	1.32	-1.79	2.91	-0.07	1.30	-1.46	3.51	-0.54	2.84	-0.93	6.35	+3.29	2.75	+0.10	1.34	-1.20	2.50	+0.22	*1.32	-1.30	29.29	-5.67
Parkers Landing	2.83	-0.73	1.27	-1.81	3.35	-0.18	1.90	-1.59	1.67	-2.11	4.26	+0.07	3.06	-1.13	5.55	+1.61	5.22	+1.84	1.74	-1.14	3.54	+0.49	2.60	-0.70	36.99	-5.38
Pennline	1.92	-0.66	0.69	-1.38	2.65	-0.25	2.72	-0.61	0.80	-2.75	1.69	-2.03	2.01	-1.66	8.24	+4.65	3.77	-0.67	2.18	-0.94	3.30	-0.10	2.20	-0.55	32.17	-6.95
Pittsburgh	2.02	-1.03	0.85	-1.77	2.15	-0.88	2.41	-0.51	0.66	-2.55	4.45	+0.64	3.25	-0.80	7.47	+4.24	3.78	+1.20	0.67	-1.85	2.63	+0.34	1 33	-1.53	31.67	-4.50
Punxsutawney	3.65	+0.66	1.16	-1.48	2.89	+0.07	2.36	-1.01	1.82	-1.60	5.53	+0.80	3.13	-0.63	5.34	+2.19	3.31	+0.22	*1.94	-0.68	*3.45	-0.57	*1.89	-0.79	36.47	-1.65
Ridgway	2.34	-0.62	0.77	-1.65	3.47	+0.37	2.47	-0.46	1.32	-2.64	2.00	-2.39	2.37	-1.59	5.19	+1.92	3.74	+0.55	2.43	-0.63	3.59	+0.75	1.98	-0.62	31.67	-7.01
Saltsburg	1.80	-2.87	0.94	-2.15	2.04	-1.11	2.84	-0.47	0.75	-2.82	4.99	+0.77	6.52	+2.48	8.45	+4.73	5.69	+2.20	1.01	-2.10	2.72	+0.33	1.47	-1.77	39.22	-1.78
Sharon	1.01	-1.45	0.58	-1.16	2.28	-0.39	1.85	-1.22	0.92	-2.25	1.44	-2.02	3.72	-0.19	5.88	+2.45	4.03	+1.19	0.51	-2.37	1.16	-1.31	1.49	-0.83	24.87	-9.17
Smethport	2.35	-0.71	0.94	-1.35	3.55	-0.08	2.51	-0.31	1.14	-3.19	1.91	-2.23	2.85	-1.61	4.00	+0.04	5.20	+1.56	2.35	-0.68	1.03	-2.02	0.95	-2.08	28.78	-12.66
Somerset	3.69	-0.87	1.08	-2.91	3.24	-1.03	2.74	-1.97	2.38	-2.53	4.92	-0.28	7.53	+2.98	5.39	+0.79	4.22	+0.58	1.19	-1.91	3.44	+0.01	2.11	-1.79	41.88	-8.93
Springdale	2.53	-1.00	1.42	-1.31	2.57	-0.82	3.14	-0.20	1.60	-1.94	4.35	-0.12	4.56	-0.46	9.55	+5.62	3.26	-0.03	0.85	-2.28	2.48	-0.02	1.51	-1.66	37.82	-3.30
Uniontown	2.46	-1.26	1.16	-1.92	3.45	-0.43	2.77	-0.97	2.35	-1.61	3.08	-1.69	7.11	+2.28	4.66	+0.04	3.47	+0.21	1.21	-2.11	3.03	-0.13	1.54	-1.93	36.29	-9.52
Unity Reservoir	2.07	-2.19	1.71	-1.67	3.35	-0.06	2.97	-0.93	1.41	-2.20	3.52	-0.90	4.13	-0.06	6.44	+2.79	4.80	+1.13	1.11	-2.28	2.91	+0.38	1.84	-1.83	36.26	-7.82
Vandergrift	2.12	-0.91	1.01	-1.86	1.57	-1.80	2.93	+0.13	1.75	-1.54	3.13	-1.49	4.91	+0.59	8.75	+4.69	5.26	+2.18	1.15	-1.99	2.84	+0.08	1.44	-1.50	36.86	-2.92
Warren	2.69	-0.22	1.47	-1.07	4.56	+1.43	2.94	-0.61	0.57	-3.66	1.40	-2.93	1.58	-2.94	3.51	-0.40	4.34	+0.62	2.72	-0.73	4.29	+0.78	2.32	-0.79	32.39	-10.52
Waynesburg	2.65	......	1.01	......	3.37	......	4.69	......	2.20	......	4.10	......	5.38	......	5.18	......	4.20	......	1.00	......	2.63	......	1.57	......	37.98	......
Westford	1.40	-1.25	1.67	-0.30	2.93	+0.35	1.81	-1.09	1.05	-2.14	2.48	-1.26	1.68	-2.08	8.74	+5 86	4.40	+0.45	2.58	-0.42	4.17	+0.62	2.79	-0.22	35.70	-1.48
West Newton	1.61	-1.70	0.99	-1.98	2.44	-1.04	2.70	-0.50	1.28	-2.33	3.78	-0.30	2.74	-1.38	7.56	+3.79	3.97	+1.24	1.08	-1.64	2.32	-0.15	0.98	-2.23	31.45	-8.30
POTOMAC BASIN																										
Chambersburg	2.82	+0.09	0.75	-2.15	2.72	-0.27	2.51	-0.58	4.61	+1.06	3.70	-0.41	7.11	+3.55	4.52	+0.62	9.21	+6.29	0.79	-2.41	4.67	+1.97	3.28	+0.65	46.69	+8.35
Gettysburg	1.03	-2.09	1.02	-1.79	3.34	+0.20	2.46	-1.20	4.51	+0.62	2.25	-1.66	3.97	+0.19	5.06	+1.14	15.13	‡	0.98	-2.23	4.13	+1.43	4.46	+1.25	48.34	+7.55
Hyndman	3.04	-0.09	0.48	-2.20	2.09	-0.90	2.05	-1.72	1.30	-1.55	3.58	-1.21	2.25	-0.75	4.77	+0.99	4.78	+1.81	0.79	-2.43	3.50	+1.56	1.65	-0.91	30.28	-7.40
LAKE BASIN																										
Erie	2.04	-0.73	1.01	-1.57	2.36	-0.26	2.10	-0.68	0.55	-2.85	1.45	-1.89	1.90	-1.11	3.15	-0.12	2.93	-0.46	1.89	-1.80	2.96	-0.34	1.50	-1.33	23.84	-13.09

* Monthly amount interpolated; annual amount partly interpolated. ‡ +11.69

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown	Apr. 29	Oct. 20	Johnstown	Apr. 29	Oct. 13
Altoona	do. 29	do. 2	Kane	May 26	Aug. 30
Beaver Dam	do. 28	do. 13	Lancaster	Apr. 29	Oct. 13
Bedford	do. 29	do. 13	Lawrenceville	May 16	do. 2
Bellefonte	do. 28	do. 2	Lebanon	Apr. 28	do. 13
Brookville	May. 27	Aug. 30	Meadville	May 16	do. 13
Butler	do. 26	Oct. 2	Mifflin	Apr. 29	do. 14
Carlisle	Apr. 29	do. 2	Montrose	May 16	....
Catawissa	do. 29	do. 2	Muncy Valley	do. 16	Oct. 2
Chambersburg	do. 29	do. 13	Newell	do. 8	do. 13
Chambersville	May 27	do. 13	Philadelphia	Mar. 26	Nov. 2
Claysville	Apr. 28	do. 13	Pittsburgh	Apr. 28	Oct. 13
Clearfield	May 16	do. 1	Quakertown	May 13	do. 13
Coatesville	Apr. 29	do. 13	Reading	Apr. 28	do. 31
Corry	May 26	do. 1	Ridgway	May 27	do. 1
Emporium	do. 16	Aug. 31	Scranton	Apr. 29	do. 13
Ephrata	Apr. 29	Oct. 14	Selinsgrove	do. 29	do. 14
Erie	do. 28	do. 14	Sharon	May 16	do. 2
Franklin	May 26	do. 2	Somerset	do. 27	Aug. 30
George School	Apr. 29	do. 13	Stroudsburg	do. 13	Oct. 2
Gettysburg	do. 29	do. 13	Towanda	do. 13	do. 2
Gordon	May 13	do. 2	Uniontown	Apr. 28	do. 13
Gouldsboro	do. 16	do. 2	Vandergrift	do. 29	do. 13
Greensburg	Apr. 28	do. 13	Warren	May 16	do. 13
Greenville	May 26	do. 1	Waynesburg	Apr. 29	do. 13
Grove City	do. 16	do. 13	Wellsboro	May 24	Aug. 30
Hamburg	do. 13	do. 14	West Chester	Apr. 28	Oct. 20
Harrisburg	Apr. 28	do. 14	Williamsport	do. 29	do. 14
Hawley	May 17	do. 2	Williamstown	do. 28	do. 13
Huntingdon	Apr. 29	do. 13	York	do. 29	do. 13

MONTHLY STATE DATA FOR 1934

Month	Temperature					Precipitation				
	Mean	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Greatest	Least	Greatest in 24 hrs.	Average snow
January	32.2	38.9	24.5	67	-19	2.54	5.27	0.97	1.65	2.8
February	18.1	24.4	6.8	59	-34	1.31	3.74	0.48	1.56	14.4
March	34.9	42.2	25.7	78	-22	2.96	5.31	1.13	2.75	7.7
April	48.9	54.8	39.1	86	14	3.06	5.52	1.14	2.50	0.6
May	62.2	67.8	52.2	98	22	2.51	6.80	0.37	1.92	0.0
June	72.9	78.4	62.6	104	35	3.64	6.15	1.12	3.75	0.0
July	75.5	81.0	63.8	107	40	4.01	7.83	1.16	4.91	0.0
August	68.6	74.8	58.2	98	30	4.94	10.49	1.27	5.28	0.0
September	66.4	71.4	57.2	94	31	6.58	15.13	2.41	5.91	0.0
October	51.8	57.0	43.2	84	11	1.46	3.15	0.51	1.62	0.6
November	44.9	51.0	36.8	80	6	3.61	7.38	1.03	3.86	1.8
December	30.7	37.1	22.0	73	-10	2.55	5.63	0.84	[illegible]	3.0
Year	50.6	81.0	6.8	107	-34	39.17	15.13	0.37	[illegible]	30.4

Monthly and Annual Mean Temperatures for the Year 1934, with Departures from the Normal

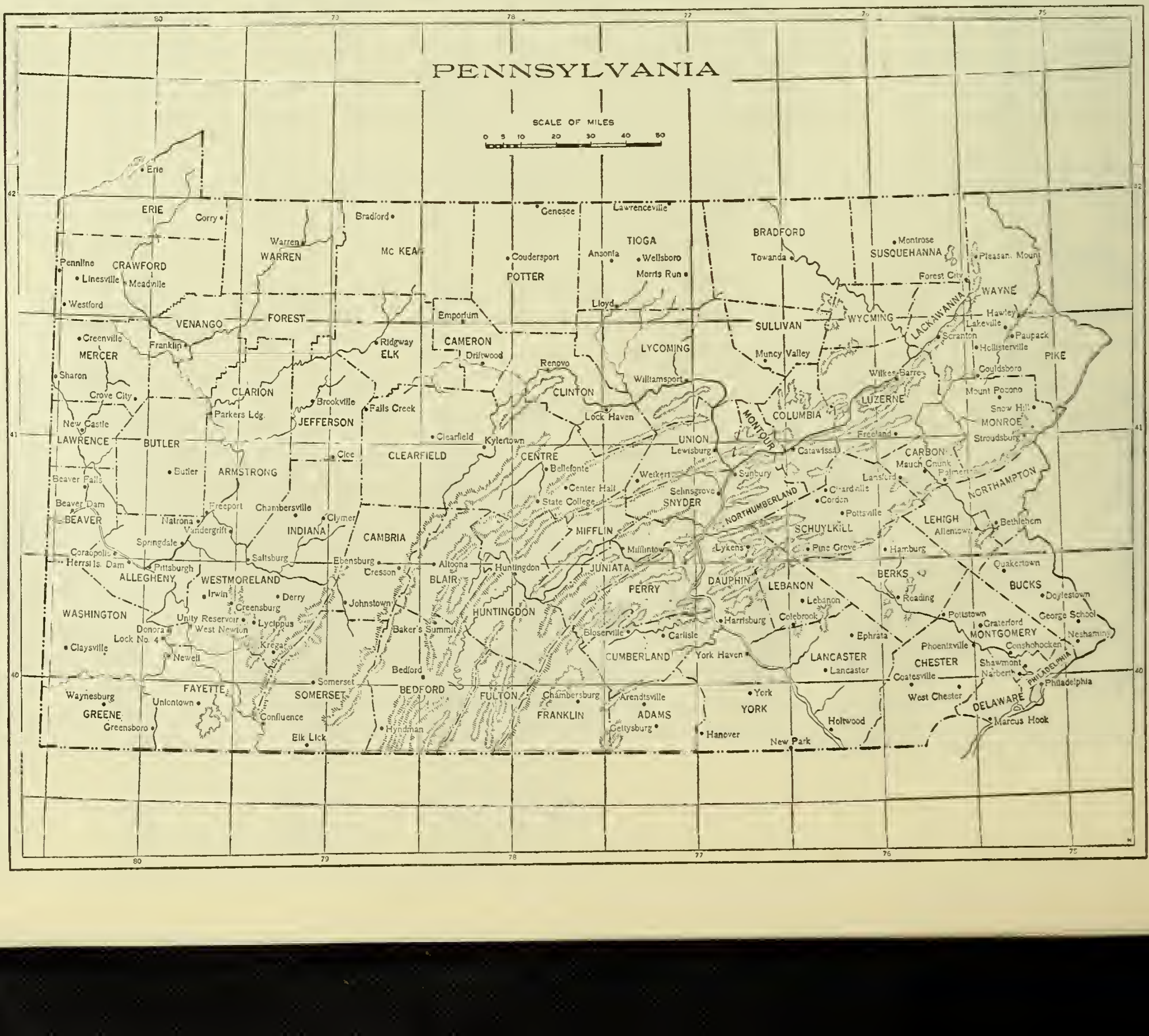
STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic Drainage.																										
Allentown	30.3	+0.8	16.4	-14.1	33.6	-4.7	48.2	-0.3	61.3	+1.6	71.8	+2.4	74.8	+1.1	68.4	-3.0	65.4	-0.2	51.2	-1.8	45.0	+2.6	31.2	-1.0	49.8	-1.4
Altoona	31.4	+4.4	17.6	-9.6	35.4	-2.4	48.2	+0.2	61.5	+2.7	71.6	+5.3	73.8	+3.0	66.6	-2.4	63.8	+0.7	51.8	-0.3	43.8	+3.4	.....	.....	.....	.....
Ardmore	34.8	+4.0	19.4	-13.8	37.2	-5.1	51.2	+0.5	64.4	+4.0	75.6	+5.5	78.2	+4.3	71.0	-0.3	68.4	+1.1	52.8	-2.4	48.3	+4.1	32.4	-1.6	52.8	0.0
Arendtsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	74.2	+3.9	77.4	+3.4	69.8	-2.2	67.6	+1.2	52.8	-1.8	44.2	+1.5	[c]31.0	-2.8	.....	.....
Bedford	33.8	.....	20.8	.....	37.4	.....	51.4	.....	63.0	.....	74.2	.....	76.3	.....	69.6	.....	66.4	.....	52.6	.....	44.6	.....	31.4	.....	51.8	.....
Bellefonte	29.1	+1.4	15.6	-11.7	32.0	-8.1	46.3	-4.2	59.4	-1.7	70.2	+1.5	73.0	-0.2	65.6	-5.2	63.4	-1.5	49.2	-3.8	43.3	+1.9	27.4	-3.1	47.9	-2.9
Bethlehem	33.2	+3.2	20.6	-10.5	37.8	-2.8	51.8	+0.3	64.6	+2.4	74.2	+4.0	76.9	+2.3	71.0	-1.8	68.2	+1.5	53.8	-1.9	48.0	+3.8	32.6	-0.7	52.7	0.0
Carlisle	33.8	+5.7	22.4	-7.6	36.6	-1.8	52.1	0.0	63.8	+2.4	75.3	+4.3	79.5	+4.7	71.1	-1.5	68.2	+3.0	52.7	-0.1	46.2	+5.1	32.8	+1.3	52.9	+1.3
Catawissa	33.0	+5.3	19.6	-10.0	36.2	-2.2	51.3	+0.9	63.9	+3.4	74.3	+6.1	77.0	+4.3	69.4	-0.9	66.8	+2.8	51.5	-1.9	45.6	+3.2	31.0	-0.5	51.6	+0.8
Center Hall	28.6	+2.8	18.8	-8.5	32.8	-3.8	46.5	-1.7	58.3	-0.5	68.8	+2.8	72.0	+0.8	64.7	-4.0	61.4	-0.8	50.4	-1.5	42.6	+2.4	29.4	-0.3	47.9	-1.0
Chambersburg	34.4	+5.5	23.4	-8.0	37.5	-2.0	51.8	+1.7	64.0	+3.3	75.1	+5.7	78.7	+4.4	71.2	-0.6	67.2	+1.1	53.5	+0.6	46.2	+4.3	33.2	+0.2	53.0	+1.3
Clearfield	.....	.....	17.6	-10.9	33.7	-4.2	47.0	-0.9	60.8	+2.0	71.0	+4.1	[c]73.0	+1.6	67.5	-2.4	64.8	+0.9	50.4	-2.2	45.4	+4.6	30.4	+0.8	.....	.....
Coatesville	34.0	+4.1	19.3	-11.1	36.4	-3.6	50.5	-0.1	63.8	+2.6	74.2	+4.2	76.7	+2.1	70.6	-1.9	67.5	+1.3	51.8	-2.3	46.6	+3.8	32.1	-0.6	52.0	-0.1
Colebrook	31.3	+4.3	18.3	-12.0	33.8	-6.3	48.5	-0.6	60.9	+1.9	70.6	+2.5	74.1	+1.7	66.9	-3.4	64.7	+0.5	50.0	-2.7	44.0	+2.4	30.0	-1.6	49.4	-1.1
Emporium	30.0	+4.5	15.5	-10.1	32.6	-2.8	46.8	+0.1	59.3	+1.5	70.3	+4.5	71.6	+2.0	65.3	-2.1	64.1	+2.7	50.0	0.0	43.4	+4.2	29.2	+0.1	48.2	+0.4
Ephrata	34.0	+4.4	21.2	-8.5	36.8	-3.2	51.5	+1.5	64.6	+3.6	75.4	+6.9	79.2	+5.1	71.4	-0.2	68.6	+2.8	52.8	-1.8	47.0	+4.1	33.0	+0.8	53.0	+1.3
Freeland	28.2	+4.3	14.0	-10.7	31.4	-1.5	45.1	-0.6	60.1	+3.9	68.8	+4.2	71.9	+3.3	64.1	-2.1	62.6	+3.0	47.7	+0.7	41.4	+4.4	25.7	-1.4	46.8	+0.8
George School	34.1	+3.5	18.4	-12.8	36.8	-3.9	49.8	-0.4	62.8	+2.3	73.6	+5.0	76.7	+3.0	70.6	-0.8	67.8	+1.8	54.0	-1.0	47.6	+4.4	33.2	+0.2	52.1	+0.1
Gettysburg	36.5	+7.1	23.3	-7.8	38.2	-1.9	52.4	+1.7	64.3	+3.0	75.0	+5.1	78.6	+4.4	71.7	-0.2	68.2	+2.6	54.4	+1.4	47.2	+5.2	34.0	+1.8	53.6	+1.8
Gordon	29.2	+2.9	16.2	-10.8	32.2	-4.7	45.9	-1.8	58.8	+1.0	69.7	+4.1	73.2	+3.1	66.3	-1.5	64.4	+2.1	49.2	-1.5	43.9	+4.3	29.6	+0.6	48.2	-0.2
Gouldsboro	24.5	+0.4	8.7	-16.1	25.7	-4.6	39.1	-2.1	52.2	-1.7	62.6	+5.0	63.8	-1.3	58.2	-4.8	57.2	-0.5	43.2	-2.6	36.8	+0.6	22.0	-4.1	41.2	-2.6
Hamburg	32.6	+4.3	20.2	-9.0	35.0	-3.4	49.0	-0.7	[c]61.8	+0.9	[d]72.5	+3.5	74.9	+1.6	.....	.....	67.2	+1.9	51.2	-2.2	.....	.....	32.2	+0.5	.....	.....
Hanover	37.0	+4.9	23.7	-9.2	39.2	-3.3	52.6	0.0	65.0	+2.2	75.5	+4.6	79.6	+4.2	72.0	-1.1	68.6	+1.0	54.8	-0.6	48.4	+3.8	34.7	+0.5	54.3	+0.6
Harrisburg	33.8	+4.8	21.4	-8.8	36.2	-2.7	50.8	-0.1	63.9	+2.1	74.4	+4.1	78.1	+3.3	70.6	-2.0	67.5	+1.7	53.6	-1.2	47.3	+4.5	33.3	+0.6	52.6	+0.5
Hawley	27.4	+2.8	13.3	-13.1	32.2	-3.3	45.8	+0.2	58.7	+1.9	68.2	+1.9	71.0	+0.6	64.6	-3.2	62.2	+0.5	46.2	-3.4	41.3	+1.8	26.6	-2.2	46.5	-1.3
Holtwood	34.0	+3.9	21.2	-11.9	35.9	-6.1	50.9	-0.7	65.2	+3.4	77.4	+5.8	81.0	+4.2	74.2	+0.7	70.2	+1.2	54.0	-2.2	45.8	+1.0	33.6	-0.6	53.6	0.0
Huntingdon	32.6	+4.1	21.0	-8.2	35.8	-3.1	49.4	-0.2	62.6	+2.4	72.6	+4.3	75.8	+3.6	68.4	-2.0	[b]66.2	+1.6	[a]51.8	-0.9	45.2	+3.5	31.2	-0.4	51.0	+0.3
Hyndman	35.5	+5.4	23.0	-8.5	38.0	-2.4	53.0	+2.3	63.6	+2.8	74.6	+7.2	78.0	+5.5	71.8	+0.9	67.9	+2.5	53.2	0.0	45.6	+3.3	32.0	-0.4	53.0	+1.5
Kylertown	30.4	.....	13.8	.....	31.0	.....	44.6	.....	60.2	.....	69.5	.....	72.6	.....	64.7	.....	62.4	.....	49.1	.....	41.1	.....	26.1	.....	47.1	.....
Lancaster	34.8	+5.1	22.3	-8.7	38.0	-1.7	51.4	+2.3	64.6	+3.9	74.2	+4.2	77.6	+3.9	71.8	-0.2	67.5	+2.0	51.5	-2.3	43.8	+0.4	32.2	-1.2	52.5	+0.7
Lawrenceville	29.8	+5.2	15.0	-9.5	33.3	-1.5	48.2	+2.3	61.1	+4.2	71.8	+6.2	73.4	+3.3	65.9	-2.0	64.8	+3.3	49.8	-0.7	43.8	+4.8	27.6	-1.1	48.7	+1.2
Lebanon	31.5	+2.7	18.8	-10.8	35.3	-4.1	50.1	-0.3	63.6	+2.8	73.8	+4.2	77.6	+3.8	70.5	-1.3	67.3	+1.7	52.3	-1.4	46.1	+3.6	31.6	-0.4	51.5	0.0
Lewisburg	32.0	+5.7	20.6	-6.7	34.3	-2.7	50.4	+1.0	62.8	+2.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lock Haven	31.9	+4.5	20.6	-7.4	35.8	-2.8	50.4	+0.1	63.6	+2.0	75.4	+5.9	76.2	+2.9	69.3	-1.8	67.4	+2.6	53.1	-0.4	45.7	+3.8	31.0	0.0	51.7	+0.8
Marcus Hook	[c]38.9	.....	24.4	.....	42.2	.....	54.8	.....	67.8	.....	78.4	.....	80.6	.....	74.8	.....	[b]71.4	.....	57.0	.....	51.0	.....	37.1	.....	56.5	.....
Mauch Chunk	32.8	+5.5	17.0	-10.8	33.6	-3.8	46.8	-1.8	59.6	-0.1	71.2	+3.4	74.5	+2.3	68.4	-1.6	66.4	+2.2	50.0	-2.4	44.7	+3.7	[d]31.0	+0.4	49.7	-0.2
Mifflin	33.8	+5.9	22.6	-6.2	37.2	-2.0	51.4	+1.4	64.4	+4.3	75.6	+7.2	78.7	+5.8	70.9	+0.4	68.5	+4.0	54.6	+1.7	47.2	+5.8	33.0	+1.9	53.2	+2.6
Montrose	25.6	+4.6	.....	.....	.....	.....	[b]45.4	+1.4	58.2	+3.7	67.5	+4.3	70.9	+3.2	67.2	+0.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mount Pocono	24.7	+1.9	7.4	-13.9	28.5	-3.7	40.7	-1.8	.....	.....	65.0	+3.3	66.7	+1.0	60.9	-2.9	60.2	+1.8	45.6	-2.8	39.9	+3.6	24.9	-0.9	.....	.....
Muncy Valley	28.2	+3.6	14.1	-12.0	31.6	-4.1	46.4	-1.2	58.6	+1.7	69.0	+3.8	72.4	+2.8	65.1	-2.5	[a]62.8	+1.3	[a]48.2	-2.1	41.8	+2.3	27.3	-0.7	47.1	-0.6
Neshaminy Falls	32.8	+4.8	17.3	-12.5	35.4	-4.0	49.0	-0.3	62.1	+2.7	72.8	+4.2	76.2	+2.9	70.0	-1.0	67.4	+2.0	52.4	-1.5	46.4	+4.2	31.0	-0.7	51.1	+3.4
Palmerton	31.2	.....	16.9	.....	33.9	.....	48.5	.....	62.3	.....	72.2	.....	75.0	.....	67.8	.....	65.7	.....	50.1	.....	45.0	.....	30.6	.....	49.9	.....
Philadelphia	37.8	+5.2	22.2	-11.7	39.9	-0.9	53.2	+1.1	66.1	+3.2	76.2	+4.8	79.3	+3.1	73.2	-1.6	70.8	+2.8	56.0	-1.8	50.6	+4.9	35.9	-0.4	55.1	+0.7
Philadelphia-Gtn	37.0	.....	21.8	.....	39.5	.....	53.0	.....	66.6	.....	77.2	.....	79.8	.....	73.4	.....	69.8	.....	55.3	.....	49.5	.....	35.5	.....	54.9	.....
Phila-Navy Yard	36.2	+4.5	21.3	-12.4	38.9	-3.4	52.8	+1.4	66.4	+4.5	75.8	+4.0	79.0	+3.3	72.8	-1.4	70.2	+2.0	56.2	-0.9	49.4	+3.7	35.8	+0.6	54.6	+0.5
Phoenixville	35.0	+5.1	20.2	-12.0	38.4	-2.4	52.2	+0.6	65.7	+4.6	75.9	+4.9	79.0	+4.2	72.4	-0.5	69.5	+3.1	.....	.....	.....	.....	.....	.....	.....	.....
Quakertown	32.0	+6.1	17.4	-11.4	34.6	-2.7	48.4	-0.1	62.0	+2.6	71.5	+3.2	74.0	+1.5	67.5	-2.7	64.6	+0.6	50.2	-2.0	45.0	+3.8	31.2	0.0	49.9	-0.1
Reading	34.1	+4.7	21.2	-7.6	37.2	-2.8	50.8	+0.5	64.6	+2.1	74.0	+4.2	76.9	+1.4	70.1	-2.3	67.3	+1.0	53.8	-0.9	48.6	+6.1	33.4	+1.2	52.7	+0.7
Retreat	30.4	.....	16.4	.....	33.7	.....	49.0	.....	61.4	.....	72.6	.....	73.6	.....	67.1	.....	65.0	.....	50.1	.....	44.0	.....	30.0	.....	49.4	.....
Scranton	30.1	+3.5	15.4	-11.9	34.6	-1.1	48.3	+0.2	62.0	+2.6	71.3	+3.5	74.4	+2.7	67.1	-2.7	65.8	+2.9	49.5	-2.3	45.6	+5.1	29.1	-1.6	49.4	0.0
Selinsgrove	33.9	+5.5	20.9	-7.2	35.3	-3.2	50.2	+0.6	62.1	+1.6	72.8	+3.9	75.4	+2.2	69.8	-1.4	67.8	+3.0	52.4	-0.4	45.6	+3.9	31.8	+0.3	51.5	+0.7
Shawmont	35.4	+5.0	21.0	-12.8	38.9	-1.4	52.0	-0.2	65.5	+2.9	76.0	+4.0	80.0	+4.1	72.7	-0.5	69.5	+1.4	53.6	-2.5	48.0	+3.2	34.5	-0.6	53.9	+0.2
State College	31.3	+5.0	18.8	-7.7	34.6	-1.5	48.6	+1.1	62.4	+3.8	72.3	+5.9	74.6	+4.1	66.6	-1.9	64.4	+1.8	50.8	-0.3	43.2	+3.4	29.1	-0.6	49.7	+1.1
Stroudsburg	29.5	+3.0	14.6	-12.6	31.4	-5.4	46.7	-1.7	60.0	+0.7	69.6	+3.2	72.8	+1.6	66.6	-2.4	65.2	+2.8	49.8	-2.4	44.1	+3.6	30.7	+1.0	48.4	-0.7
Towanda	29.6	+4.5	14.8	-10.0	32.8	-2.3	47.1	+0.7	60.0	+2.7	70.4	+4.9	72.8	+2.5	65.9	-2.3	65.0	+2.7	49.4	-1.4	44.2	+4.6	28.2	-0.6	48.4	+0.6
Wellsboro	27.4	+3.6	14.2	-10.8	31.4	-1.6	45.6	+1.0	59.0	+2.7	69.6	+5.3	71.3	+2.6	64.2	-1.9	62.1	+2.4	47.6	-1.3	41.2	+3.7	25.4	-2.5	46.6	+0.3
West Chester	[a]35.8	+5.6	20.2	-10.9	37.2	-1.7	50.6	+0.8	63.8	+3.2	.....	.....	[b]76.1	+1.8	.....	.....	67.2	+1.7	53.1	-1.4	.....	.....	[g]34.2	+1.1	.....	.....
Williamsport	31.0	+3.7	19.3	-8.4	35.0	-2.6	50.5	+1.6	63.4	+3.0	73.6	+4.8	76.4	+3.2	69.0	-1.7	66.8	+2.4	51.6	-1.1	44.5	+3.4	30.0	-0.7	50.9	+0.6
Williamstown	32.2	+4.5	19.6	-11.1	36.2	-3.3	49.5	-0.5	63.5	+4.3	73.2	+5.7	76.8	+5.0	68.6	-1.4	66.4	+2.0	52.1	-1.2	45.2	+3.4	30.4	-0.6	51.1	+0.5
York	35.2	+5.6	21.7	-9.3	37.9	-2.7	52.1	+1.1	63.6	+2.5	74.0	+4.1	78.0	+3.8	71.0	-1.2	68.2	+2.0	52.8	-1.2	46.0	+3.0	33.1	0.0	52.8	+0.6
Ohio Drainage.																										
Beaver Dam	34.4	+4.6	20.6	-12.2	35.4	-5.8	51.0	+1.1	63.4	+3.1	75.4	+6.3	76.6	+3.0	70.4	-1.5	68.7	+2.5	54.2	-1.0	46.8	+3.5	32.4	-0.6	52.4	+0.2
Brookville	29.1	+5.1	13.2	-12.1	30.2	-3.6	45.1	0.0	58.4	+3.1	70.2	+7.0	71.9	+4.2	65.2	-0.4	64.0	+3.9	.....	.....	40.0	+2.5	26.3	-1.6	.....	.....
Butler	30.5	-0.1	16.3	-12.5	.....	.....	47.6	-0.6	59.6	+0.1	73.8	+6.6	75.2	+3.2	67.2	-2.3	64.8	+0.1	50.9	-2.2	44.4	+3.0	28.3	-3.0	.....	.....
Chambersville	32.8	+4.0	17.6	-11.9	35.1	-3.9	48.8	-0.9	61.0	+1.2	72.9	+5.3	74.6	+3.2	67.2	-2.7	66.2	+1.4	51.6	-0.9	43.2	+2.1	29.2	-1.6	50.0	-0.4
Clairton	32.0	.....	17.8	.....	35.0	.....	50.1	.....	63.8	.....	74.0	.....	76.2	.....	68.6	.....	66.4	.....	52.0	.....	46.1	.....	29.7	.....	51.0	.....
Claysville	34.4	+3.9	21.6	-9.8	37.2	-4.2	51.8	+1.0	64.2	+3.6	76.6	+7.8	78.9	+6.0	71.0	-0.3	68.8	+3.1	53.8	-0.2	46.7	+4.6	32.0	-0.4	53.1	+2.3
Corry	28.2	+4.0	11.8	-14.3	30.4	-2.4	44.6	-0.1	59.1	+4.9	70.8	+6.2	73.4	+5.7	65.6	-0.2	65.0	+4.7	49.8	+1.1	42.0	+3.3	26.5	-1.8	47.3	+1.0
Derry	32.3	+2.3	20.0	-9.6	37.6	-2.6	50.9	+1.4	63.2	+2.6	73.8	+5.3	75.6	+3.0	69.4	-1.2	67.6	+2.2	54.2	+0.1	46.8	+4.9	32.4	+0.5	52.0	+0.8
Donora	36.4	.....	23.0	.....	37.8	.....	52.1	.....	65.2	.....	77.0	.....	79.2	.....	71.8	.....	69.4	.....	55.5	.....	48.0	.....	36.1	.....	54.3	.....
Ebensburg	30.2	+6.4	17.1	-10.9	33.9	-2.6	47.0	+2.0	61.6	+6.1	70.4	+6.5	[a]72.7	+5.6	66.1	+0.5	63.2	+2.5	50.6	+0.8	42.6	+4.5	27.6	-0.5	48.6	+1.8
Elk Lick	29.8	+4.1	16.6	-11.4	32.2	-5.1	44.6	-1.3	58.2	+3.3	67.8	+4.2	69.8	+2.6	65.4	-0.4	61.4	+1.3	50.2	+0.8	41.7	+3.7	27.4	-1.8	47.8	+0.7
Franklin	30.8	+4.8	11.2	-14.6	29.2	-6.8	45.2	-0.9	61.0	+3.7	72.9	+7.1	75.1	+4.8	67.6	-0.5	66.7	+4.1	50.0	-1.3	42.8	+3.2	28.5	-0.8	48.4	+0.2
Greensburg	34.2	+3.9	20.6	-11.0	37.0	-3.3	50.6	+0.1	62.9	+3.0	75.0	+7.0	75.6	+3.4	69.4	-1.1	67.1	+1.9	53.8	-0.2	46.4	+3.7	31.5	-1.0	52.0	+0.5
Greenville	30.6	+3.6	15.7	-11.1	32.8	-3.9	48.2	+1.6	61.6	+4.0	74.6	+8.1	76.4	+5.6	68.6	0.0	67.5	+4.6	51.7	+0.8	44.5	+5.0	29.2	-1.0	50.1	+1.4
Grove City	30.5	+3.8	16.6	-11.1	33.8	-3.8	47.4	-0.2	63.2	+5.7	71.9	+6.4	72.7	+2.7	66.7	-1.4	64.5	+1.5	51.3	-0.6	43.7	+3.3	28.6	-1.2	49.2	+0.4
Irwin	34.3	+4.3	20.4	-9.6	36.9	-3.3	50.4	+0.9	63.0	+3.0	74.4	+6.0	75.8	+3.9	69.5	-0.8	67.0	+2.7	53.8	-0.1	46.5	+4.5	32.0	-0.3	52.0	+0.9
Johnstown	33.6	+3.8	21.2	-9.0	37.6	-1.8	50.2	+0.4	63.2	+2.2	74.0	-4.8	76.0	+3.0	70.0	-1.1	67.6	+2.0	53.7	0.0	46.0	+4.2	31.7	-0.7	52.1	+0.7
Kane (near)	26.4	.....	12.0	.....	29.2	.....	43.2	.....	57.1	.....	66.4	.....	70.0	.....	61.3	.....	60.2	.....	46.4	.....	38.6	.....	24.2	.....	44.6	.....
Lycippus	34.4	+4.6	20.2	-9.2	36.8	-3.1	50.6	+0.9	63.8	+3.3	74.6	+6.4	76.3	+3.9	70.0	-0.8	69.0	+3.1	54.2	-0.1	47.0	+4.7	32.3	0.0	52.4	+1.1
Meadville	30.4	+5.8	14.2	-9.6	32.8	-2.1	47.3	+2.0	62.4	+6.1	74.4	+9.5	75.5	+6.5	69.0	-2.1	67.1	+5.4	52.2	+1.7	44.8	+6.0	28.6	-0.2	49.9	+2.8
Mt. Lebanon	31.6	.....	18.0	.....	35.0	.....	49.1	.....	63.6	.....	75.2	.....	76.6	.....	69.8	.....	67.1	.....	53.2	.....	45.7	.....	30.6	.....	51.3	.....
New Castle	32.2	+4.6	14.2	-14.2	30.3	-6.8	47.0	-1.7	61.6	+2.1	73.8	+5.0	75.4	+3.0	69.0	-1.3	67.2	+3.0	52.0	-0.3	44.3	+4.3	30.2	-0.6	49.8	-0.2
Newell	35.2	+3.1	19.9	-12.2	35.8	-7.2	48.9	-2.5	61.6	+0.2	74.0	+4.7	[a]77.6	+4.3	70.0	-1.5	68.2	+1.0	54.6	-0.9	45.6	+2.0	.....	.....	.....	.....
Pittsburgh	33.8	+3.1	19.7	-12.6	36.5	-3.1	50.4	-0.8	64.6	+2.2	75.9	+5.2	77.6	+3.0	70.7	-2.2	68.4	+2.0	54.6	-1.1	46.8	+3.6	32.9	-1.3	52.7	-0.1
Ridgway	25.2	+0.6	6.8	-19.6	29.7	-5.1	46.2	+0.2	59.0	+3.3	71.2	+7.2	72.2	+4.3	65.0	-2.3	64.8	+4.6	47.8	-1.6	41.6	+2.9	27.0	-1.0	46.4	-0.5
Sharon	29.8	+3.0	13.0	-15.2	31.5	-6.1	46.8	-1.2	63.0	+4.8	76.8	+9.3	77.1	+5.3	67.9	-1.9	66.9	+2.8	51.5	-1.2	43.8	+2.5	28.5	-2.1	49.7	0.0
Somerset	30.1	+3.7	15.6	-11.4	32.3	-3.7	45.6	-0.8	56.4	-0.4	67.6	+2.2	71.3	+2.6	65.1	-2.1	62.4	+1.5	49.0	-0.4	41.0	+2.2	27.4	-1.4	47.0	-0.6
Uniontown	36.2	+3.9	21.6	-10.8	38.0	-3.5	52.1	+0.9	64.4	+2.6	75.4	+5.5	77.9	+4.8	71.0	-0.6	68.8	+4.2	54.6	0.0	47.9	+4.3	33.6	-1.2	53.5	+0.9
Vandergrift	33.6	+3.4	18.7	-13.3	35.0	-5.8	49.2	-1.8	62.9	+2.1	75.2	+6.2	76.8	+3.8	70.0	-0.9	.....	.....	52.8	-1.4	46.0	+3.3	32.3	-1.0	.....	.....
Warren	32.2	+7.3	13.6	-10.9	32.0	-3.6	44.2	-0.6	59.0	+2.9	72.2	+7.4	73.7	+4.3	65.8	-1.6	65.2	+3.3	52.0	+1.4	42.4	+3.4	28.2	+0.2	48.4	+1.2
Waynesburg	35.6	.....	22.8	.....	38.0	.....	51.8	.....	63.9	.....	74.8	.....	77.0	.....	[a]70.6	.....	68.0	.....	54.0	.....	46.4	.....	32.6	.....	53.0	.....
[illegible] Drainage.																										
Erie	30.6	+3.8	14.0	-12.9	30.8	-2.7	45.0	-0.1	60.8	+4.0	71.8	+5.6	74.6	+3.6	68.7	-0.9	67.6	+4.0	52.0	-1.4	46.2	+4.8	29.8	-2.1	49.3	+0.5

Letters of alphabet denote number of days missing

COOPERATIVE AND RAINFALL OBSERVERS

Stations	Observers
Allentown	John A. Frick.
Altoona	F. E. Rooney.
Ansonia	Paul H. Mulford.
Ardmore	H. L. Balderston.
Arendtsville	Dr S. W. Frost.
Bakers Summit	M. Snyder.
Beaver Dam	F. H. McCullough.
Beaver Falls	W. Edward Eakin.
Bedford	Charles C. Lee.
Bethlehem	Lehigh University.
Bloserville	A. G. Mountz.
Bellefonte	Frank S. Fawcett.
Brookville	U. S. Weather Bureau.
Buffalo Mills	Nelle R. Brown.
Butler	The Butler Eagle.
Carlisle	Clarence E. Miller.
Catawissa	W. L. Gearhart.
Center Hall	S. W. Smith.
Chambersburg	Wm. B. Spear.
Chambersville	John E. Lewis.
Clairton	Carnegie Steel Co.
Claysville	J. L. Melvin.
Clearfield	E. W. Hess, C. E.
Clymer	L. Frendberg.
Coatesville	Howard L. Pyle.
Colebrook	William A. Rorer.
Confluence	Grant Pyle.
Conshohocken	Russell C. Erb.
Corry	Assd. Gas & Electric Co.
Cresson	W. P. Linnan.
Derry	Ted R. Wineman.
Donora	Donora Zinc Works.
Doylestown	Geo. Hart.
Ebensburg	D. H. Jones.
Elk Lick	J. S. Stevanus.
Emporium	T. B. Lloyd.
Ephrata	Ira J. Keath.
Erie	U. S. Weather Bureau.
Forest City	L. L. Whipple.
Franklin	R. A. Fergus.
Freeland	Theodore Reichmann.
Galeton	Henry W. Lush.
George School	N. W. Swayne.
Gettysburg	Dr. Henry Stewart.
Girardville	Girard Water Co.
Gordon	Sallie M. Johnson.
Gouldsboro	Roland H. Marshall.
Graterford	C. K. Kulp.
Greensburg	Westmoreland Water Co.
Greensboro	George W. Paxton.
Greenville	C. P. Clarke.
Grove City	Prof. H. W. Harmon.
Hamburg	State Sanatorium.
Hanover	Thomas Y. Cooper.
Harrisburg	U. S. Weather Bureau.
Hawley	Mrs. Della M. Pennell.
Herrs Island Dam	U. S. Engineer.
Hollisterville	Penn. P. & L. Co.
Holtwood	H. W. Lowy, C. E.
Huntingdon	Prof. Paul R. Yoder.
Hyndman	Glenn R. Shaffer.
Irwin	W. F. Gallagher.
Johnstown	Robert Tross.
Kane (near].	U. S. Forest Service.
Kregar	I. A. Knupp.
Kylertown	Bur. Plant Industry.
Lake Lynn	R. McGeuchie.
Lakeville	Penn. P. & L. Co.
Lancaster	Supt. Water Works.
Lansford	Lehigh Coal & Nav. Co.
Lawrenceville	C. P. Darling.
Lebanon	Lebanon Valley Gas Co.
Linesville	I. F. Hepler.
Lock Haven	Joseph A. Beaver.
Lock No. 2	R. C. McCullough.
Lock No. 4	U. S. Engineer.
Lock No. 5	U. S. Engineer.
Lycippus	Westmoreland Water Co.
Marcus Hook	Sun Oil Co.
Matamoras	John Bisland.
Mauch Chunk	R. K. Wintermute.
Meadville,	Assd. Gas & Electric Co.
Mifflintown	W. H. Manbeck Co.
Montrose	Vacant.
Morris Run	Morris Run Mining Co.
Mt. Lebanon	Roger H. Howell.
Mount Pocono	Cecil J. Hoskinson.
Muncy Valley	H. O. Hacker.
Natrona	Bert B. Hildebrand.
Neshaminy Falls	Phila. Sub-Water Co.
New Castle	New Castle Water Co.
Newell	General Chemical Co.
New Park	C. J. Allen.
Newport	Adam R. Boetill.
Palmerton	New Jersey Zinc Co.
Parkers Landing	Henry Turk.
Paupack	Penn. Power & Light Co.
Penn Line	Retta Crumb.
Philadelphia	U. S. Weather Bureau.
Philadelphia-Gtn.	Julius Bernstein.
Philadelphia Navy Yard	Commandant, Navy Yard.
Phila- Point Breeze	Atlantic Refining Co.
Phoenixville	Philadel. Sub- Water Co.
Pine Grove	East Penn Electric Co.
Pittsburgh	U. S. Weather Bureau.
Pleasant Mount	C. R. Buller.
Pottstown	Daily Mercury.
Pottsville	Pottsville Water Co.
Quakertown	John E. Benner.
Reading	U. S. Weather Bureau.
Renovo	J. H. Baird.
Retreat	Theo. J. Sampson.
Ridgway	West Penn. Power Co.
Saltsburg	Thomas M. Duncan.
Scranton	U. S. Weather Bureau.
Selinsgrove	Dr. George E. Fisher.
Sharon	H. H. Gerber.
Shawmont	Winfield S. Guiles.
Shippensburg	Keith B. Allen.
Snow Hill	G. L. Dormoy.
Somerset	D. L. Grove.
Springdale	U. S. Engineer.
State College	C. A. Kern.
Stroudsburg	State Teachers College.
Sunbury	Earl E. Stahl.
Towanda	Mrs. M. Ordelia Parks.
Uniontown	Wm. W. Marsteller.
Unity Reservoir	Westmoreland Water Co.
Vandergrift	H. R. Belding.
Warren	Mrs. Anna Simpson
Waynesburg	Thomas S. Knox.
Weikert	David Libby.
Wellsboro	George W. Hill.
West Chester	Joseph W. Belt.
Westford	C. C. Collins.
Westgrove	Conard-Pyle Co.
West Newton	A. B. Adams.
Wilkes-Barre	Milton Wentz.
Williamsport	Veronica E. April.
Williamstown.	Susquehanna Coal Co.
York	C. L. Bott.
York Haven	York Haven Water Co
Zionsville	J. H. Weinberger.

WEATHER BUREAU AND COOPERATIVE STATIONS, 1934



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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XL. JANUARY, 1935. No. 1.

GENERAL SUMMARY.

This was a month of more than ordinary extremes, although the average temperature was near the January normal. However, the small departure was in the nature of a deficiency, and was the first to be recorded in January since 1929. Temperatures were mostly above normal during the first three weeks, but beginning with the fourth week the cold was intense up to the close of the month. The warmest period occurred during the second week, with temperatures twenty degrees or more above the normal on three dates. During most of this period a heavy fog blanket persisted over the eastern portion of the State. Ships that were in the Philadelphia port were compelled to remain at the wharves for a period of five days, and during that time many others rode at anchor along down Delaware Bay, being unable to move up through the dense fog. On land the fog delayed traffic, and caused numerous accidents. Precipitation was below the January average in apparently about three-fourths of the State, although the deficiencies were not generally important. Despite the deficiency of precipitation in the State as a whole, there was a moderate excess in snowfall. This excess was due chiefly to the heavy snows in the eastern portion of the State that occurred under the influence of a coast storm on the 22d and 23d. This was one of the heaviest snowstorms that has occurred in Eastern Pennsylvania in recent years. The heavy snowfall was accompanied by gales of wind that caused it to drift badly, and many of the main highways were closed for two days or more, while some of the secondary roads were not opened to traffic for a week or more. Railroads generally kept their trains moving, although somewhat delayed. The snow was beneficial in some ways, inasmuch as it covered the fields during the week or more of intense cold that followed the storm, and the winter grains seemed to come through without injury. Other benefits were in connection with the work that it furnished for a vast army of the unemployed. However, the suffering that was occasioned to this class during the period of intense cold more than offset all of the benefits of employment. Building and construction work of all kinds was practically suspended during the cold period. Streams of the Susquehanna and Ohio watersheds rose rapidly about the 10th. The flood stage was passed at Towanda, and near-flood was reached at Wilkes-Barre, with only minor damage reported.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 89 stations, was 27.5°, which is 0.4° below the January normal. The highest monthly mean was 33.6°, at Donora and Uniontown, and the lowest 17.9°, at Gouldsboro. The highest temperature recorded during the month was 72° at Donora on the 21st, while the lowest was —23° at Hawley on the 28th. The greatest daily range in temperature was 50° at Newell on the 22d.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations of 140 stations, was 3.08 inches, which is a deficiency of 0.17 inch compared with the normal. The greatest monthly total was 5.08 inches at Johnstown, and the least was 1.00 inch at Bloserville. The greatest amount recorded in any 24 consecutive hours was 1.74 inches at Ardmore on the 21st-22d. Snowfall for the State averaged 13.5 inches, which is 2.5 inches above the monthly normal. The greatest monthly amount of snow was 27.0 inches at Phœnixville and Lakeville. The greatest snowfall for 24 consecutive hours was 14.0 inches at Phila-Germantown on the 22-23d.

COMPARATIVE DATA FOR JANUARY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	23.2	−4.7	61	−19	4.19	+0.94	6.75	2.12	14.0	13	5	11	15
1889	29.4	+1.5	68	−5	3.54	+0.29	7.02	1.82	7.8	10	9	13	9
1890	37.5	+9.6	77	−2	3.04	−0.21	6.87	1.47	1.8	14	7	8	16
1891	30.5	+2.6	64	−4	3.64	+0.39	8.74	1.22	9.8	12	6	10	15
1892	26.2	−1.7	66	−28	4.77	+1.52	8.46	2.08	13.5	12	8	8	15
1893	19.0	−8.9	57	−25	2.85	−0.40	4.82	1.65	18.0	12	7	10	14
1894	32.8	+4.9	65	−9	2.29	−0.96	4.71	0.83	7.2	10	9	9	13
1895	24.2	−3.7	58	−17	4.17	+0.92	6.36	1.83	14.2	13	7	10	14
1896,	27.6	−0.3	60	−15	1.43	−1.82	2.40	0.52	3.4	6	8	9	14
1897	25.6	−2.3	74	−25	2.15	−1.10	3.54	0.87	11.0	10	8	8	15
1898	30.7	+2.8	67	−16	4.25	+1.00	7.57	1.32	11.0	13	6	8	17
1899	26.6	−1.3	66	−21	3.05	−0.20	4.84	0.82	10.3	10	12	8	11
1900	29.8	+1.9	63	−8	2.64	−0.61	4.37	1.36	5.3	10	8	9	14
1901	29.1	+1.2	59	−10	2.22	−1.03	4.41	0.74	8.6	11	8	8	15
1902	25.6	−2.3	58	−13	2.80	−0.45	5.15	1.00	11.5	9	8	9	14
1903	26.9	−1.0	68	−13	3.31	+0.06	5.09	1.49	11.7	11	6	8	17
1904	20.0	−7.9	66	−42	3.55	+0.30	5.82	2.08	20.4	12	10	6	15
1905	23.8	−4.1	69	−21	3.70	+0.45	7.55	1.72	21.2	12	8	8	15
1906	35.0	+7.1	85	−4	2.53	−0.72	5.28	0.76	4.5	11	10	8	13
1907	30.0	+2.1	75	−23	4.36	+1.11	9.69	2.14	13.2	15	6	7	18
1908	28.4	+0.5	59	−18	2.68	−0.57	5.33	1.46	11.4	9	12	8	11
1909	31.2	+3.3	72	−19	2.92	−0.33	4.25	1.58	12.8	13	9	6	16
1910	27.2	−0.7	56	−22	5.55	+2.30	8.91	3.27	26.0	14	7	5	19
1911	31.6	+3.7	70	−5	3.54	+0.29	6.38	1.25	4.5	13	8	5	18
1912	18.6	−9 3	57	−35	1.92	−1.33	3.72	0.47	13.6	12	8	7	16
1913	36.5	+8.6	65	3	4.95	+1.70	8.90	1.51	4.5	16	9	6	16
1914	30.2	+2.3	81	−27	3.37	+0.12	5.77	1.40	11.7	11	7	7	17
1915	28.3	+0.4	62	−26	5.56	+2.31	9.69	2.43	14.7	13	10	6	15
1916	34.2	+6.3	76	−12	2.42	−0.83	5.33	0.20	1.8	12	9	8	14
1917	27.9	0.0	69	−18	3.60	+0.35	6.69	1.06	4.2	13	11	8	12
1918	16.2	−11.7	57	−29	3.51	+0.26	7.28	1.20	25.2	12	10	8	13
1919	32.0	+4.1	64	−15	2.53	−0.72	4.94	1.00	6.2	8	14	8	9
1920	20.9	−7.0	59	−23	2.47	−0.78	5.35	1.00	10.0	10	9	8	14
1921	31.0	+3.1	63	−13	2.58	−0.67	5.23	0.89	4.4	10	12	7	12
1922	25.0	−2.9	62	−19	2.26	−0.99	4.46	1.15	16.0	8	14	7	10
1923	29.1	+1.2	62	−17	4.26	+1.01	7.74	1.91	17.6	14	6	6	19
1924	28.1	+0.2	65	−13	4.34	+1.09	6.29	1.70	3.6	8	11	8	12
1925	25.2	−2.7	55	−29	3.53	+0.28	6.68	1.07	29.4	10	11	7	13
1926	27.8	−0.1	66	−19	2.80	−0.45	4.85	1.12	10.5	11	9	9	13
1927	27.4	−0.5	61	−24	2.90	−0.35	8.28	0.76	5.7	13	9	6	16
1928	29.8	+1.9	65	−23	2.08	−1.17	4.48	0.78	6.8	9	12	8	11
1929	27.3	−0.6	73	−20	3.37	+0.12	6.86	1.12	7.6	12	9	9	13
1930	29.2	+1.3	72	−24	2.25	−1.00	4.74	0.70	8.4	12	8	8	15
1931	30.0	+2.1	65	−12	1.46	−1.79	2.66	0.49	4.4	7	12	9	10
1932	40.5	+12.6	79	9	4.51	+1.26	7.48	1.98	1.3	14	7	6	18
1933	37.0	+9.1	71	−6	2.00	−1.25	3.43	0.54	1.9	8	12	7	12
1934	32.2	+4.3	67	−19	2.54	−0.71	5.27	0.97	2.3	11	8	8	15
1935	27.5	−0.4	72	−23	3.08	−0.17	5.08	1.00	13.5	11	11	6	14
Period	27.9	....	85	−42	3.25	....	9.69	0.20	11.0	11	9	8	14

W. B. O. Philadelphia-2-26-35-1050.

Climatological Data for January, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	25.3	−4.2	52	10	−7	28	38	2.63	−0.88	0.77	10.8	11	17	7	7	ne.	John A. Frick.
Altoona	Blair	1,615	48	......	......	......	......	−3	28	...	3.18	+0.59	0.65	10.0	11	18	8	5	w.	John J. Martin.
Ardmore	Montgomery	350	3	28.4	−2.4	60	9	−3	28	32	4.48	+0.89	1.74	22.3	10	8	7	16	......	H. G. Balderston.
Arendtsville	Adams	700	13	26.4	−4.2	56	10	−9	24†	38	3.66	+0.91	0.81	18.0	9	14	4	13	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	28.8	......	52	3†	−8	28	32	3.58	......	0.62	14.8	13	14	2	15	nw.	Charles C. Lee.
Bellefonte	Center	1,050	27	24.2	−3.5	50	10	−1	24	36	2.03	−0.74	0.62	7.2	13	7	5	19	w.	U. S. Weather Bureau.
Bethlehem	Northampton	364	50	28.2	−1.8	54	10	−3	28	35	3.02	−0.53	0.87	12.5	12	10	2	19	nw.	Lehigh University.
Carlisle	Cumberland	467	69	27.8	−0.3	52	3†	−16	28	43	2.43	−0.69	0.57	19.0	8	15	2	14	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	26.2	−1.5	52	3	−1	24	41	1.82	−1.34	0.35	11.0	8	16	3	12	......	W. L. Gearhart.
Center Hall	Center	1,272	39	24.6	−1.2	52	8	−6	24†	31	1.71	−0.85	0.46	9.8	11	13	6	12	......	S. W. Smith.
Chambersburg	Franklin	580	36	28.8	−0.1	56	10	−12	28	29	3.21	+0.48	1.02	22.9	12	10	8	13	ne.	William B. Spear.
Clearfield	Clearfield	1,120	28	26.0	−0.8	47	9	−6	26†	38	3.12	−0.50	0.80	22.0	10	12	6	13	nw.	E. W. Hess.
Coatesville	Chester	380	48	28.2	−1.7	57	10	−8	28	28	4.65	+0.68	1.40	15.5	12	14	2	15	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	25.6	−1.4	49	3†	−14	28	32	3.02	−0.33	0.81	17.4	10	12	4	15	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	25.2	−0.3	51	10	−5	27†	49.	3.27	−0.27	1.15	11.5	11	7	12	12	nw.	T. B. Lloyd.
Ephrata	Lancaster	380	43	28.8	−0.8	53	10	−13	28	32	3.14	+0.10	0.92	21.4	10	14	3	14	n.	Ira J. Keath.
Freeland	Luzerne	1,970	42	21.8	−2.1	52	9	−8	28	38	2.92	−0.65	0.75	26.9	13	7	9	15	nw.	Theo. Reichmann.
George School	Bucks	190	29	28.8	−1.8	57	8†	−14	28	35	4.21	+1.05	0.95	21.5	10	14	7	10	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	29.2	−0.2	59	10	−12	28	30	3.43	+0.31	0.71	20.7	12	12	6	13	nw.	Dr Henry Stewart
Gordon	Schuylkill	840	31	25.7	−0.6	53	8†	−14	28	45	2.56	−1.26	0.53	24.0	11	16	2	13	ne.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	17.9	−6.2	52	9	−22	28	33	2.51	−0.68	0.70	16.8	12	13	3	15	n.	Ronald H. Marshall,
Hamburg	Berks	535	42	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	State Sanatorium.
Hanover	York	600	31	29.9	−2.2	58	10	−6	28	26	3.48	+0.31	0.73	17.5	11	12	5	14	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	28.2	−0.8	54	10	−1	28	25	1.95	−1.14	0.52	15.1	11	9	7	15	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	17	21.8	−2.8	53	7†	−23	28	44	2.57	−0.01	0.66	23.2	13	16	3	12	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	29.7	−0.4	53	10	1	28	35	3.35	+0.07	0.95	22.5	10	8	9	14	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	27.8	−0.7	54	10	−2	28	39	3.16	−0.07	0.72	5.7	11	11	5	15	e.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	29.8	−0.3	54	10	−9	28	34	3.93	+0.80	0.83	10.1	14	12	3	16	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	24.6	......	52	9†	−6	24†	36	3.01	......	0.72	9.3	15	10	5	16	sw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	48	27.9	−1.8	55	10	−18	28	37	3.30	+0.06	0.80	15.5	7	11	10	10	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	24.9	+0.3	50	7	−8	28	37	1.85	−0.12	0.95	9.0	8	11	10	10	......	C. P. Darling.
Lebanon	Lebanon	469	51	26.0	−2.8	54	10	−11	28	39	2.42	−1.03	0.50	16.4	9	16	4	11	w.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	27.9	+0.5	48	10†	−1	28	35	2.60	−0.54	0.83	10.5	11	8	10	13	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	29.4^{c}	......	62^{c}	10	−1^{c}	27	31^{c}	3.80	......	1.00	18.5	9	16	6	9	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	25.8	−1.5	56	8	−10	28	40	2.87	−0.87	0.71	16.0	8	15	3	13	nw.	R. K. Wintermute.
Mifflin	Juniata	445	31	28.4	+0.5	53	3	−3	28	47	2.93	0.00	0.90	10.4	8	12	4	15	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Vacant.
Mt. Pocono	Monroe	1,720	29	21.6	−1.2	53	10	−12	28	37	2.78	−0.45	0.80	23.0	10	10	5	16	sw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	23	23.2^{b}	−1.4	48^{c}	10	−12	28	43^{c}	3.26	+0.06	1.14	12.0	11	13	6	12	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	27.2	−0.8	59	8	−18	28	39	3.59	+0.47	0.99	16.6	13	12	4	15	nw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	24.8	......	55	10	−11	28	31	2.21	−0.36	0.72	7.8	10	12	5	14	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	31.0	−1.6	61	8	3	28	25	4.21	+0.91	1.46	21.5	12	8	7	16	n.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	10	31.3	......	60	9	0	28	25	4.15	......	0.93	25.5	11	11	7	13	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	19	30.2	−1.5	61	8	−1	28	27	3.81	+0.70	1.20	19.2	12	10	4	17	w.	Commandant, Navy Yard.
Phœnixville	Chester	100	25	28.5	−1.4	55	10†	−14	28	34	3.61	−0.05	0.88	27.0	7	15	7	9	nw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	50	27.0	+1.1	54	10	−13	28	31	3.69	+0.21	0.83	14.0	11	11	6	14	n.	John E. Benner.
Reading	Berks	514	65	28.4	−1.0	55	9	−2	28	26	3.05	−0.52	0.97	20.1	11	9	9	13	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	24.9	......	50	9	−10	28	39	3.23	......	1.18	19.5	9	10	9	12	nw.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	24.8	−1.8	54	9	−7	28	29	2.03	−1.00	0.51	18.1	15	7	7	17	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	45	26.6	−1.8	51	3	−5	28	42	2.64	−0.40	0.75	18.0	14	8	11	12	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	29.6	−0.8	56	10	−7	28	35	3.39	+0.11	0.88	19.5	11	11	5	15	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	28.2	......	53	10	−10	28	34	2.74	......	0.70	17.0	14	10	7	14	nw.	State Teachers College
State College	Center	1,217	51	26.0	−0.3	52	10	−3	24	32	2.74	−0.25	0.66	11.3	12	7	12	12	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	24.0	−2.5	55	10	−15	28	46	2.70	−0.41	0.85	9.7	10	21	0	10	ne.	State Normal School.
Towanda	Bradford	754	41	24.8	−0.3	53	7	−9	28	28	1.84	−0.22	0.65	8.7	13	8	7	16	w.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	22.0	−1.8	50	10	−9	28	32	2.10	−0.39	0.88	11.8	7	17	6	8	nw.	George W. Hill.
West Chester	Chester	455	86	29.7^{b}	−0.5	56^{b}	10	−3^{b}	28	30^{b}	3.61	−0.18	0.78	23.0	10	12	4	15	w.	Joseph W. Belt.
Williamsport	Lycoming	521	49	26.4	−0.9	48.	3	−3	28	38	2.19	−0.76	0.43	11.8	11	15	1	15	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	26.9	−0.8	54	9	−3	24†	39	2.26	−0.93	0.55	14.0	11	12	6	13	sw.	Susquehanna Collieries Co.
York	York	400	47	28.9	−0.7	59	10	−15	28	37	2.85	−0.07	0.72	18.5	10	12	8	11	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	32.0	+2.2	68	21	0	24	38	3.06	+0.18	0.70	6.1	12	7	2	22	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	22.8	−1.2	49	10	−11	28	44	3.78	+0.70	0.73	9.0	12	2	12	17	......	Frank S. Fawcett.
Butler	Butler	1,077	22	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	William C. Faust.
Chambersville	Indiana	1,047	5	27.5	−1.3	66	21	−8	28	49	3.38	−0.48	1.10	3.8	11	9	6	16	w.	John E. Lewis.
Clairton	Allegheny	1,020	3	28.8	......	70	21	1	30	40	2.28	......	0.52	6.3	11	7	5	19	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	31.6	+1.1	68	21	−4	28	43	2.60	−0.70	0.69	4.8	13	11	6	14	w.	J. L. Melvin.
Corry	Erie	1,430	22	25.5	+1.3	54	10	0	27†	36	3.46	0.00	0.66	15.5	20	10	8	13	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	32.2	+2.2	70	21	−3	28	38	3.45	−0.43	0.90	3.5	14	13	9	9	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	18	27.0	+3.2	55	21	−5	24	31	4.50	+1.36	0.72	11.0	12	14	5	12	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. S. Stevanus.
Franklin	Venango	957	61	26.1	+0.1	60	21	−5	27	39	2.61	−0.97	0.59	7.0	13	7	4	20	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	26	31.0	+0.7	69	21	−3	24	36	3.55	−0.03	0.94	7.1	18	9	7	15	n.	Westmoreland Water Co.
Greenville	Mercer	950	39	27.6	+0.6	56	21	−6	28	31	2.76	−0.75	0.74	7.6	13	8	3	20	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	27.2	+0.5	61	7	−3	25	32	2.92	−0.38	0.60	7.0	15	7	7	17	nw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	53	30.1	+0.3	59	21	0	28	35	5.08	+0.89	1.38	12.2	15	8	7	16	nw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	23.0	......	52	9†	−15	27	35	3.59	......	0.54	17.5	16	9	4	18	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	31.6	+1.8	70	21	1	27	36	3.86	−0.13	1.26	7.5	14	2	5	24	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	28.2^{a}	+3.6	57^{a}	21	−4^{a}	27†	31	3.15	−0.17	0.77	7.0	12	7	3	21	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	28.8	......	69	21	−2	24	39	2.40	......	0.48	6.5	12	11	3	17	nw.	Fred Hoffman.
New Castle	Lawrence	808	55	27.8	+0.2	64	22	−2	30	42	2.69	−0.33	0.79	2.7	15	2	14	15	nw.	New Castle Water Co.
Newell	Fayette	800	15	29.6	−2.5	69	21†	0	28	50	3.83	+0.96	1.12	2.9	11	1	16	14	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	32.1	+1.4	70	21	4	24	41	2.41	−0.64	0.62	5.6	13	6	5	20	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	24.2	−0.4	54	8	−10	27	42	2.36	−0.60	0.59	6.8	15	7	5	19	se.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	25.5	−1.3	54	9†	−2	27†	36	2.55	+0.09	0.78	4.8	9	7	10	14	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	27.0	+0.6	62	21	−15	28	47	4.60	+0.04	0.98	20.3	15	6	3	22	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	33.6	+1.3	71	21	−4	24†	42	3.97	+0.25	1.04	7.0	14	12	3	16	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	30.2	0.0	70	21	0	24†	39	3.35	+0.32	0.70	......	10	10	9	12	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	26.0	+1.1	54	9	−8	27	31	2.96	+0.05	0.50	16.8	22	5	7	19	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	32.3	......	69	21	−3	28	44	3.42	......	0.91	3.0	9	5	8	18	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	27.1	+0.3	58	21	1	27	31	2.02	−0.75	0.81	4.5	18	2	7	22	s.	U. S. Weather Bureau.
For the State	......	......	....	27.5	−0.4	72	21	−23	28	50	3.08	−0.17	1.74	13.5	11	11	6	14	nw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for January, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.74	.03						.01		.48		T.		T.		T.	.16	.06		.14	.26	.28	.22	.25					T.			2.63
Altoona	Juniata	.15			T.		T.	T.	.14	.65			T.	.21	.23			.57		.30	.48	.25	.10				.10			T.			3.18
Ansonia‖‖	W. Br. Susq	.37								.18	.53		T.	.01	.08			.13			.05	.44	.03		T.		T.				T.		1.82
Ardmore	Lower Del	.68						T.	T.	.08	.02			T.		.02	T.	.38		.05	.36	.02	1.74	1.13						T.			4.48
Arendtsville	Lower Susq	.81							.50	.06	.07				.05			.72				.51		.78	.16								3.66
Baker's Summit	Juniata	.67						.13	.10	.28				.14	.14			.41		.11	.37	.39	.15										2.89
Bedford	Juniata	.60					T.	.15	.30	.40	.03		T.	.13	.10	T.		.62		.10	.30	.33	.42	.10			T.						3.58
Bellefonte***	W. Br. Susq	.18	T.	T.	T.		.16	.01	.26	.47	.04	T.	T.	.15	T.	T.	.01	.37	T.	.06	.07	.23	.02	T.	T.	T.	T.		T.	T.			2.03
Bethlehem	Lehigh	.87						T.	.02	.02	.62			.01	.02	T.		.20			.44	.04	.48	.14	.16		T.						3.02
Bloserville‡‡	Lower Susq													.10								.40	.20	.30									1.00
Buffalo Mills	Juniata	.55							.10	.37					.14	.03		.55			.88	.25		.28									3.31
Carlisle	Lower Susq	.56					T.		T	.19				.06				.57		T.	.34	.07	.24	.40			T.						2.43
Catawissa‡	N. Br. Susq	.31							.10	.16		T.	T					.35			.20	.18	.12	.40									1.82
Center Hall	Susquehanna	.46						.14	.12	.20	.04			.10				.27	.15	.12	.06	.05											1.71
Chambersburg	Potomac	.44					.01		.02	.24				.05	.01			.70		.02	.60	.04	.93	.15	T.		T.						3.21
Clearfield	W. Br. Susq	.33					T.	.11	.14	.60	T.			.05	.03	.02		.80		T.	.66	.38	T.	T.						T.			3.12
Coatesville	Lower Del	.76						.04	.05	.17	.20			.03		T.		.60		T.	.60	.05	1.40	.70	.05								4.65
Colebrook	Lower Susq	.74						T.	.03	.13	.06			.01		T.		.48		T.	.51	.03	.81	.22			T.			T.			3.02
Conshohocken	Schuylkill	.82						.01		T.	.11			T.	.01	T.		.38			.60	.12	.72	1.38	.31					T.			4.46
Cresson‡	Juniata																																
Doylestown	Lower Del	.72								.11	.07			T.		T.		.29			.43	.05	.90	*	.82					T.			3.39
Emporium	W. Br. Susq	.65					.08	T.	.21	.55	.04	.10	T.	.10	T.	T.		.20		T.	.15	1.15	.04				T.			T.			3.27
Ephrata	Lower Susq	.71						T.	.03	.19	.03			T.	T.	T.		.36			.50	.03	.92	.29	.08					T.			3.14
Forest City	N. Br. Susq	.60							T	.67	.91			.19				.62			.11		.32		.14	.24	.26						4.06
Freeland‖‖	Lehigh	.75							.05	.11	.20		.01	.04	.08			.40			.24	.14	.45		.42		T.	T.		.03	T.		2.92
Galeton	W. Br. Susq	.45					.02		.19	.55			T.	.16	T.			.38			.52	.10					.03			T.			2.40
George School	Lower Del	.85					T.	.03	T.	.04	.03		T.	T.		T.		.18			.56	.60	.82	.95	.15					T.			4.21
Gettysburg	Potomac	.68					T.	.01	.04	.10	.01			.02	T.			.71			.61	.03	.60	.50	.12								3.43
Girardville‖‖	Lower Susq	.23							.11	.12				.06		.01		.36		.19	.22	.11	.41	.33			.03			.02			2.20
Gordon	Lower Susq	.53							.01	.17	.04			.10				.35			.39	.07	.30	.20	.40								2.56
Gouldsboro‖	Lehigh	.70									.53		.01	.10	.05		.02		.20		.10	.20	.05		.50					.05			2.51
Graterford	Schuylkill	.41									.53			.01	.02			.24			.11	.42	.63	.82	.46								3.65
Hamburg	Schuylkill																																
Hanover	Lower Susq	.65							.03	.15				.03	.01			.58			.45	.01	.65	.73	.19					T.			3.48
Harrisburg***	Lower Susq	.32		T.			T.	T.	.01	.13	.01	T.		T.	T.	T.	.06	.40		.10	.28	.01	.41	.22			T.			T			1.95
Hawley‖‖	Upper Del	.66	.05							.01	.34		T.	T.	.18		T.	.31	.13		.07	.13	.23		.40		.05			.01			2.57
Hollisterville	Upper Del	.79							T.	.01	.34	T.		T.	.18		T.	.29	.08		.06	.28	.35		.24		.06	.03		.02			2.73
Holtwood‖	Lower Susq	.30						T.	.02	T.	.33			.03				.56			.35	.05	.66	.95	.10		T.						3.35
Huntingdon	Juniata	.72					.08	.07	.13	.68	.01			.05	.17			.51		T.	.50	.24					T.			T.			3.16
Hyndman	Potomac	.54	.04				.02	.05	.10	.45	.10			.02	.31	.06		.83		.19	.71		.51				T			T.			3.93
Kylertown	W. B. Susq	.51					.01	.25	.02	.72	.03	.01		.08	.19	.05		.51		.05	.24	.30	.04	T.		T.							3.01
Lakeville‖‖	Upper Del	.75	.11								.36	T.	.05	.06	.15	.01	.04	.40			.23	.35	.25	T.	.40	T.	.04			.03	.02		3.25
Lancaster	Lower Susq	.65								.22				T.				.43			.37	.05	.78	.80									3.30
Lansford‖‖	Lehigh		.65						.04	.03	.34				.10			.23	T.		*	.40	.27	.06	.27		T.	T.					2.39
Lawrenceville	N. Br. Susq	.10					T.		.10	95	T.			.05	T		T.	.10			.10	.40	T.	T.			.05						1.85
Lebanon	Lower Susq							.01		.20			T.	T.	T.	T.	.40	T.		.50	.25	.21	.46	.14			.25		T.				2.42
Lock Haven	W. Br. Susq	.47					.12	.01		.83				.03	.20	.01		.40			.19	.28	.06	T.									2.60
Marcus Hook	Lower Del	1.00									.04			.01				.10			.20	.86	*	*	1.59					T.			3.80
Matamoras‖‖	Upper Del	.56	.01						.03		.62				.15			.30				.21			.39		.10						2.37
Mauch Chunk	Lehigh	.71								.38				.16		T.		.40			.46	.07	.22	.47									2.87
Mifflin	Juniata	.90					T.	.14	T.	.47				.02				.50			.32	.36	.22										2.93
Montrose	N. Br. Susq																																
Morris Run	N. Br. Susq	.39					.02	.02	.20	.70	.07		.03	.04	.18	.04		.22			.05	.29	.10	.03			.06						2.44
Mount Pocono	Upper Del	.65					.06	T.	T.	.13	.04	T.	T.	.10	T.			.70			.09			.80	.05					.16			2.78
Muncy Valley	W. Br. Susq	.43					.05	.07	.04	1.14	.14			.04	T.	T.	T.	.38				.54	.35			.08	T.			T.			3.26
Neshaminy‖‖	Lower Del	.18						.16		.07	.14			.02		.02		.38		.01	.55	.10	.88	.99	.09	T.							3.59
New Park	Lower Susq	.60							.02								.46			.05	.46	.05	.60	.80									3.04
Newport‖‖	Juniata	.58					.01		.02	.22	.09	T.		T.	T.			.48	T.		.25	.28	.21	.10	.30			T.					2.54
Palmerton‡	Lehigh	.72					T.	T	T.	.47	.02	T.		.04		T.		.18		.05	.26	.02	.28	.17					T.				2.21
Paupack‖‖	Upper Del	.75									.30				.15			.25	.05		.10	.28	.15		.28		.03			.03			2.37
Philadelphia***	Lower Del	.71						.01	T.	.06	.02			.01		T.	T.	.41		.03	.66	.03	.80	1.45	.02		T.			T.			4.21
Philadelphia-Gtn	do	.93						.01	.01	.01	.09			T		T		.52			.72	.03	.87	.78	.18					T.			4.15
Phila. Navy Yard‖‖	do	.60	.04					T.	.01	.03	.11	T.			T.		T.	.06	.35		.01	.70	.23	.47	1.20			T.	T				3.81
Phila-P'nt Breeze.‡	Lower Del	.77					T.	*	*	*	.07			.01		T.		.26			.74	.05	*	*	2.23	T.	T.			T.			4.13
Phoenixville	Schuylkill	.66								.37					T.			.41			.35	.15	.79	.88			T			T.			3.61
Pine Grove	Lower Susq	.25					T	.05	.05	.22	.02			.05	T.	T.		.35		.15	.30	.05	.45	.40			T.			T.			2.34
Pleasant Mount	Upper Del	.85							1.22					.33				.56			.94			.19			.03						4.12
Pottstown	Schuylkill																																
Pottsville	Schuylkill	.77						T.	.05	.16	.04			.03	T.			.29			.50	.03	.30	.06	.05	T.				T			2.28
Quakertown	Lower Del	.83						T.	.04	.03	.59			.02	T.	T.		.33			.46	.06	.81	.34	.18					T			3.69
Reading***	Schuylkill	.46					T.	T.	T.	.27	.02	T.		.03	T.	T.	T	.33		.18	.29	.02	.97	.46	.02	T.	T.			T			3.05
Renovo‖‖	W. Br. Susq	.48						.05	.06	.52	.47		T.	T.	.28			.65			.05	.35	.22										3.13
Retreat	N. Br. Susq	.55								1.18	.15			.10		T.	.39				.32		.16	.18	.20		T.						3.23
Scranton***	do	.35	T.	T.			T.	T.	.01	.22	.12	.01	T.	.06	.04	T.	T.	.19	T.	T.	.16	.33	.18	.32	T.	.01	.01			.02			2.03
Selinsgrove	Lower Susq	.75					.10	.04	.06	.40	.02			.02	.01			.35			.35	.12	.18	.04	.20		T.						2.64
Shawmont	Schuylkill	.88						.02	.01	.01	.10			.01		T		.56			.61	.15	.56	.48									3.39
Shippensburg	Lower Susq	.70	T.				.03	.01	.03	.10	.01		T.	.03	.06	T.		.40		T.	.55	.04	.40	.28	.10		T.	T.		T.			2.74
Snow Hill‡‡	Upper Del	.86									.48		.20	.04				.36			.10		.60		.35								2.99
State College	W. Br. Susq	.47		T.				.06	.10	.66	.02	T.		.15	T	T.		.59		.18	.13	.27	.08				.03			T.			2.74
Stroudsburg‖‖	Upper Del	.85									.65			.01				.30			*	.20	.50	.15	.02		T.			.02			2.70
Sunbury	Lower Susq	.57					T.	.04	.03	.26	.17			T.	.07			.33	.01		.26	.10	.43		.08								2.35
Towanda	N. Br. Susq	.28	T.	T.	T.		T.	T.	.22	.65	T.	.01	T.	.03	.02	T.	T.	.19	T.	T	.06	.20	.11	.05	T.		.01			.01	T.		1.84
Weikert	Lower Susq	.55					.05	.10	.25		.10			.06				.36		.15		.20	.20		.14								2.16
Wellsboro	W. Br. Susq	.33		T.	T.				.20	.63		T.	T.	.11	T.	T.		.26	T.			.51					.01						2.10
West Chester	Lower Del	.78						.15		.05	.15							.58		T	*	.30	*	*	1.60								3.61
Westgrove‖‖	do	.85							.02						.03			.45	.08		.56	.16	.21	1.22	.92								4.50
Wilkes-Barre‖‖	N. Br. Susq	.72	T.					T.		.13	.29		T.	T.	T.	.08	.19		.06			.06	.42		.16		T.		T.	T			2.11
Williamsport‖‖	W. Br. Susq	.43						.03	.01	.37	.30			.04	.09			.38	T.		.17	.25	.12		T.					T.			2.19
Williamstown	Susquehanna	.55						.02	T.	.14	.04			T.		T.		.31			.24	.12	.47	.24	.12		.01			T.			2.26
York	Lower Susq	.62							.02	.10	.02			T.				.57			.40	.02	.72	.33	.05								2.85
York Haven‖‖	Lower Susq	.25								.10	.17			.01				.48			.20	.18	.26	.63	.17								2.45
Zionsville..(near).	Schuylkill	.90						.01	.02	.04	.61							.37			.48	.06	1.18	.65	.28								4.60
Trenton, N. J***	Lower Del	.67					T.	.01	.01	.07	.05	T.	T.	.01		T.		.31		.01	.51	.02	.67	.84	.09	T	T			T.			3.27

Continued on page 4.

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.54	.03	....	T.	....	T.	T.	T.	.24	.04	....	T.	....	.06	.13	....	.70	....	....	.61	.40	.29	....	T	....	.01	.01	....	T.	T.	....	3.06
Beaver Falls‖‖	Beaver	.32	.08	....	T.	....	T.	T.	T.	.25	.03	....	T.	..	.06	.17	....	.59	....	....	.42	.37	.26	....	T.	....	T.	T.	....	T.	.01	T.	2.56
Brookville	Allegheny	.43	.09	....	.02	....	T.	T.	.03	.35	.22	....	T.	....	.38	.03	....	.73	....	....	.45	.70	.35	....	....	....	....	T.	....	T.	T.	....	3.78
Butler	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Chambersville	Allegheny	1.10	..	....	....	..	.06	.22	....	.39	....	....	..	.28	.07	..	....	*	T.	.09	.59	.19	.39	....	....	....	....	....	....	....	....	....	3.38
Clairton‡	Monongahela	.44	....	T.	....	....	T.	.02	.08	.21	....	....	....	.25	.03	....	.06	.46	....	.32	....	.16	.25	..	T.	....	....	....	....	..	....	....	2.28
Claysville	Ohio	.69	....	....	....	....	.01	.03	.01	.12	....	....	....	.14	.06	....	....	.45	....	.15	.35	.17	.37	....	..	....	.05	....	....	T.	....	....	2.60
Clymer‡‡	Conemaugh	*	....	....	....	....	*	*	....	.50	....	....	....	*	*	....	*	1.50	.07	....	.35	.17	T.	....	....	....	....	....	..	T.	....	....	2.59
Confluence‖‖	Youghiogheny	.94	.05	....		....	....	....	.08	.38	.15	....	..	....	.52	.11	..	1.10	....	....	.65	.50	.18	.25	....	....	....	....	....	....	....	....	4.91
Corry	Allegheny	.21	.23	.01	....	....	....	.05	.47	.66	.08	.02	....	.12	.14	.11	.01	.32	....	....	.34	.54	.01	.04	.02	.01	.07	..	....	....	....	....	3.46
Derry	Conemaugh	.90	.04	....	....	....	.05	.05	.02	.41	.04	....	....	.33	.10	....	....	.43	....	.02	.39	.25	.42	....	....	....	T.	....	....	T.	....	....	3.45
Donora‖‖	Monongahela	.84	T.	...	....	....	T.	.02	T.	.37	.01	....	....	.01	.10	.01	....	.48	....	T.	.65	.10	.40	....	....	....	....	....	....	....	....	....	2.99
Ebensburg	Conemaugh	.72	.06	T	T.	....	....	.14	.06	.63	T.	....	T.	.71	.45	....	....	.62	....	....	.63	.36	.09	....	....	....	.03	..	....	....	....	....	4.50
Elk Lick	Youghiogheny	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Franklin‖‖	Allegheny	.18	.10	....	.03	....	T	....	.03	.59	.11	T.	....	....	.21	.03	....	.41	T	....	.39	.24	.22	....	....	....	.07	....	....	....	....	....	2.61
Greensboro	Monongahela	.98	.02	....	T.	....	....	.01	.02	.30	.08	T.	....	....	.07	.02	....	.66	T.	....	.34	.37	.22	.50	T.	....	T.	.02	....	T.	T.	....	3.61
Greensburg	Youghiogheny	.94	.01	....	T.	....	.03	.06	.03	.41	.03	....	T.	.20	.10	.06	....	.50	..	.07	.54	.17	.34	T.	.02	T.	.03	....	....	.01	....	....	3.55
Greenville	Beaver	.18	T.	....	.07	....	....	T.	.32	.33	T.	....	T.	.02	.10	T.	....	.37	....	T.	.74	.40	.07	.07	T.	....	.07	....	....	.02	....	....	2.76
Grove City	....do	.25	....	T.	.05	....	T	.06	.24	.25	.12	....	.04	.01	.25	....	....	.43	....	T.	.60	.32	.20	....	.01	....	.09	T.	....	....	....	....	2.92
Herrs Isl. Dam‖‖	Ohio	.64	T.	....	T.	....	....	.01	.14	.13	.01	....	T.	..	.12	.07	....	.56	T.	....	.50	.34	.31	....	T.	....	.02	T.	....	T.	T.	....	2.85
Irwin	Monongahela	.97	....	....	T.	....	.10	.08	.05	.40	.06	....	....	.11	.12	.07	....	.54	....	.15	.55	.14	.42	T.	T	....	.04	....	....	....	....	....	3.80
Johnstown	Conemaugh	1.38	....	T.	T.	....	.01	.02	.30	.40	.01	....	....	.44	.25	....	03	.76	....	.35	.75	.25	.09	T.	T.	....	.04	....	....	T.	....	....	5.08
Kane (near) ‡‡	Allegheny	.49	.01	....	.01	....	.07	.03	.25	.54	.04	....	.04	.30	.27	T.	T.	.46	T.	....	.34	.54	.12	T.	T.	T.	.08	....	....	T.	....	....	3.59
Kregar‖‖	Youghiogheny	.08	....	T.	....	....	T.	.03	.43	.22	.03	T.	....	.51	.18	....	.53	....	....	.42	.35	.31	.04	....	....	.03	T.	....	....	....	....	....	3.16
Lake Lynn‖‖	Monongahela	.95	.02	....	....	....	....	....	.02	.36	.10	.02	....	....	.02	.16	....	.76	....	....	.32	.45	.45	.32	....	....	T.	.02	....	....	....	....	3.97
Linesville‖‖	Beaver	.04	.11	....	.03	....	T.	.04	....	.64	.10	....	....	....	.23	....	....	.44	....	....	.51	.27	.38	....	T.	T.	.10	....	....	....	T.	....	2.89
Lock No 2‖‖	Ohio	.71	T.	....	....	....	....	T.	T.	.22	....	....	....	....	T.	.06	....	.69	....	....	....	.72	.32	....	....	....	....	....	....	....	....	....	2.72
Lock No. 4‖‖	Monongahela	.99	.02	....	....	....	T.	.03	.02	.28	.09	....	....	....	.11	.13	....	.45	....	....	.41	.39	.34	....	T.	....	.01	.01	....	....	T.	....	3.28
Lock No. 5‡‡‖‖	Allegheny	.93	.01	....	T.	....	....	T.	.07	.22	.08	T.	T.	....	.16	T.	....	.70	....	....	.49	.59	.28	....	T.	....	T.	T.	....	T.	T.	....	3.53
Lycippus	Conemaugh	1.26	....	....	....	....	.04	.06	.04	.44	.05	....	....	.16	.20	.13	....	.45	....	....	.60	.13	.27	....	....	....	....	....	.03	....	....	....	3.86
McKeesport‖‖	Monongahela	.70	T.	....	....	....	T.	T.	.05	.19	.01	....	....	....	.02	T.	....	.59	....	....	.70	.09	.02	....	....	..	T.	T	....	....	....	....	2.37
Meadville	Allegheny	.20	....	T.	.02	....	....	....	.41	.77	.05	....	....	.17	.09	....	T.	.20	....	....	.51	.53	.10	T.	....	....	.10	....	....	....	....	....	3.15
Mosgrove	....do	.80	.04	....	T.	....	....	.02	.06	.40	.15	....	.02	....	.25	.01	....	.59	T.	....	.60	.59	.26	....	....	....	.01	T.	..	T.	T.	....	3.80
Mount Lebanon	Ohio	.48	T.	T	....	....	T.	.11	.08	.06	....	T.	....	.03	.16	....	.09	.42	....	.19	.29	.33	.16	T.	....	T.	T.	....	....	T.	....	....	2.40
Natrona‖‖	Allegheny	.91	.03	....	.01	..	....	.01	.13	.31	.08	T.	T.	....	.30	.01	....	.81	..	....	.60	.74	.63	....	.02	....	.01	T.	....	T.	T.	....	4.60
New Castle‖‖	Beaver	.17	.01	....	T.	....	.01	...	.10	.28	.03	.02	T.	....	.03	.02	....	.68	....	T.	.79	.25	.25	T.	.01	T.	.04	T.	....	T.	T.	....	2.69
Newell	Monongahela	1.12	....	....	....	....	.05	....	....	.40	.02	....	....	.03	.03	.20	....	1.00	.06	....	.72	.20	....	....	....	....	....	....	....	....	....	....	3.83
Parkers Landing‖‖	Allegheny	.58	.05	....	T.	....	.03	T.	T.	.58	.16	....	.05	....	.40	T.	T	.58	T.	T.	.83	.45	.30	....	....	...	.10	T.	....	T.	T.	....	4.11
Pennline‖‖‡‡	Beaver	.12	.03	....	.03	....	.04	.12	T.	.65	.03	....	..	....	.19	T.	T.	.47	....	....	.54	.41	.27	T.	....	T.	.02	..	.01	.04	....	....	2.97
Pittsburgh***	Ohio	.42	....	T.	....	....	T.	.09	.10	.06	T.	T.	....	.03	.14	....	.18	.30	T.	.33	.33	.34	.08	T.	....	T.	.01	....	....	T	....	....	2.41
Punxsutawney‖‖	Allegheny	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Ridgway	....do	.27	.04	....	T.	....	01	.02	.02	.42	.17	....	.02	....	.20	.02	T.	.40	..	....	.16	.31	.28	....	....	....	.13	....	....	T.	T.	....	2.36
Saltsburg‖‖	Conemaugh	.85	.01	....	....	....	.02	T.	.07	.26	.04	....	....	....	.30	T.	....	.70	....	....	.56	.25	.27	....	....	....	.01	....	....	....	....	....	3.34
Sharon‖‖	Beaver	....	.03	....	....	....	....	....	....	.47	.06	T.	....	.15	T.	....	....	....	.58	....	.78	.29	.17	T	T.	....	.02	....	....	T.	....	....	2.55
Smethport	Allegheny	.25	.40	....	.10	....	....	T.	T.	.35	.25	T.	.10	..	.25	T.	.15	T.	T.	....	.05	....	....	....	T.	....	.02	....	....	T.	....	....	1.92
Somerset	Youghiogheny	.98	....	....	....	....	.01	.07	.08	.54	.07	....	T.	.32	.42	.08	....	.75	....	.18	.58	.14	.37	T.	T.	....	.01	T.	....	T	....	....	4.60
Springdale‖‖	Allegheny	.93	.04	....	T.	....	....	.03	.05	.22	.08	.02	T.	....	.01	.01	T.	.72	....	....	.57	.50	.27	....	.07	T.	T.	....	..	....	.03	....	3.55
Uniontown	Monongahela	1.04	....	....	....	....	.02	.02	.04	.43	.04	....	....	.12	.12	....	....	.44	....	.36	.57	.15	.55	T.	....	....	.07	....	....	....	....	....	3.97
Unity Reservoir‡‡	Youghiogheny	.94	T.	....	....	....	T.	....	T	.40	.04	....	....	.18	.23	.08	....	.37	....	.08	.35	.22	.45	T.	....	....	T	....	....	T.	....	..	3.34
Vandergrift‡	Conemaugh	.70	....	....	....	....	....	.05	.13	....	....	....	....	27	.05	....	.06	.60	....	*	.88	.61	....	....	....	....	....	....	....	....	....	....	3.35
Warren	Allegheny	.20	.05	....	.10	....	.16	....	.08	.50	.06	.05	.05	.20	.50	.02	.10	.02	.03	....	.06	.50	.10	.02	.04	....	.10	....	....	.02	....	....	2.96
Waynesburg	Monongahela	.91	....	....	....	....	....	....	....	.42	.14	....	....	.16	T.	....	....	.69	....	.33	.38	.19	.20	T.	....	..	T	....	....	....	....	....	3.42
Westford‖‖	Beaver	.02	....	....	.04	....	.02	.04	.76	.07	....	..	..	.06	.04	.02	.03	.42	....	.50	.40	.08	.04	....	.02	....	.08	.06	.04	.04	.02	....	2.80
West Newton‖‖	Youghiogheny	1.03	T.	....	T.	T.	....	T.	....	.40	T.	...	...	....	.18	.04	....	.36	....	....	.32	.35	.35	....	T.	....	T	....	....	....	....	....	3.03
Lake Drainage.																																	
Erie***	Lake Erie	.16	....	.02	T.	....	.02	.02	.61	.24	.01	T.	T.	.16	.01	T.	.04	.10	T.	.02	.16	.27	T	T.	T	12	.04	.01	.01	T.	....	....	2.02

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.16	30.79	30	29.33	17	15.4	49	sw.	17	76	75	75	24
Harrisburg	30.20	30.76	31	29.56	10	8.1	28	nw.	14	73	62	63	47
Philadelphia	30.19	30.79	5	29.56	10	13.0	43	nw.	14	67	59	62	49
Pittsburgh	30.19	30.77	30	29.49	17	11.4	38	sw.	21	75	70	73	32
Reading	30.20	30.79	5	29.54	10	11.9	51	nw.	14	71	66	67	50
Scranton	30.18	30.78	31	29.51	10	7.8	30	nw.	3	86	72	69	39

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.0	10.0	10	2.5	2	18
Phillipsburg	Delaware	4.0	11.8	11	1.9	31	22
Lehighton	Lehigh	3.6	5.0	27	3.0	4	17
Wilkes-Barre	Susquehanna	7.5	20.7	11	2.6	6	20
Williamsport	Susquehanna	4.4	12.2	10	2.0	6	20
Harrisburg	Susquehanna	6.6	11.6	12	4.6	1	17
Greensboro	Monongahela	14.8	21.5	18	11.4	7	30
West Newton	Youghiogheny	3.8	11.7	22	1.6	7	20
Lock No. 4	Monongahela	15.4	25.4	21	12.1	7	30
Pittsburgh	Ohio	*	23.0*	22	11.5*	7	25
Beaver Dam	Ohio	*	28.1*	23	8.5*	29	30

*—Pool stage. †—Ice Reading.

Daily Temperatures for January, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	34	34	48	22	34	37	42	42	49	52	40	36	38	31	32	31	38	34	30	35	39	34	33	21	20	30	12	17	33	16	19	32.7
	Minimum	14	21	22	14	10	11	31	34	36	40	36	27	20	19	18	19	24	30	17	17	26	33	21	4	2	8	5	−7	−5	5	3	17.9
Altoona	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	37	25	32	38	39	25	33	31	24	18	19	28	24	23	......
	Minimum	24	2	22	4	12	21	33	33	40	39	28	20	21	21	13	8	22	25	19	21	82	23	19	−2	3	18	−2	−3	17	3	7	17.5
Bedford	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bellefonte	Maximum	36	33	46	23	31	33	44	42	45	50	37	31	40	37	32	29	42	33	26	34	40	36	24	12	23	27	17	19	28	19	24	32.0
	Minimum	19	13	10	10	14	15	32	34	38	31	27	18	21	19	19	10	23	18	15	23	32	23	10	−1	6	14	0	−1	11	2	6	16.5
Brookville	Maximum	34	33	41	45	25	47	41	43	47	49	43	36	30	39	28	30	33	42	27	32	39	45	21	22	10	20	22	15	28	27	36	33.2
	Minimum	6	9	13	1	2	4	29	30	34	40	26	18	18	21	15	1	14	21	14	22	30	21	19	−6	−5	6	−9	−11	3	−8	2	12.3
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	38	41	52	47	35	38	41	41	47	52	50	38	32	42	37	36	50	40	30	33	36	40	28	23	21	32	29	17	36	25	25	36.5
	Minimum	24	16	9	16	7	20	34	32	38	39	34	27	23	27	22	17	25	28	20	23	32	28	23	2	2	15	0	−16	15	4	3	19.0
Catawissa	Maximum	36	36	52	43	33	49	43	42	46	48	41	36	32	39	33	35	42	38	27	33	41	38	27	18	22	30	22	19	33	22	24	34.8
	Minimum	25	18	11	5	0	19	34	36	37	37	22	24	20	19	23	19	24	25	16	23	32	24	12	−1	2	16	1	5	16	2	3	17.7
Chambersburg	Maximum	37	41	51	47	31	38	41	43	46	56	51	39	45	43	37	38	45	42	30	32	37	40	28	23	20	31	27	17	36	25	24	36.8
	Minimum	25	16	24	19	10	20	34	36	38	41	34	27	26	28	23	21	25	30	22	25	31	28	23	2	0	15	8	−12	15	7	6	20.9
Chambersville	Maximum	40	36	46	41	53	49	52	58	59	57	44	35	44	33	31	31	48	36	31	39	66	54	24	19	19	22	22	30	31	22	28	38.7
	Minimum	21	11	30	10	15	33	14	20	10	42	25	17	16	20	16	18	26	21	18	25	35	20	15	−4	−1	17	−4	−8	20	−4	10	16.3
Claysville	Maximum	40	39	47	42	57	57	56	63	66	60	45	39	46	46	35	34	55	39	35	47	68	46	24	19	22	25	22	31	33	29	32	41.9
	Minimum	21	12	34	9	14	35	42	40	51	43	27	21	27	23	14	18	30	24	24	32	44	19	13	−3	−2	19	−1	−4	26	2	10	21.4
Clearfield	Maximum	32	37	42	38	41	38	41	44	47	44	36	40	38	41	40	44	36	38	40	38	42	40	32	21	21	21	28	29	28	28	28	35.9
	Minimum	18	10	20	8	3	21	30	35	37	28	25	25	30	20	21	18	28	8	21	30	31	21	18	−3	4	−6	−6	−3	−3	3	7	16.1
Coatesville	Maximum	38	36	49	42	37	44	48	52	52	57	47	36	35	38	33	32	38	35	30	36	39	44	24	21	21	32	22	20	33	25	19	36.0
	Minimum	24	19	23	15	9	28	35	40	39	46	34	25	21	33	17	19	25	29	20	21	33	24	19	3	−2	11	3	−8	14	9	2	20.3
Corry	Maximum	25	32	40	32	45	46	52	48	54	53	37	34	37	37	26	28	40	28	40	40	51	33	25	13	18	20	12	23	25	20	33	33.8
	Minimum	15	6	23	6	9	36	41	43	45	32	25	15	20	15	11	10	25	18	13	28	33	16	6	5	3	8	0	0	12	7	6	17.2
Emporium	Maximum	35	32	44	30	45	36	44	40	45	51	36	31	35	40	32	31	40	35	30	36	46	40	22	14	20	26	17	27	27	21	28	33.4
	Minimum	21	13	19	6	−4	16	33	35	40	35	28	21	17	21	20	18	26	23	13	27	34	22	12	−2	8	15	−5	−5	15	−4	11	17.1
Erie	Maximum	39	39	42	20	47	53	55	51	47	47	34	26	39	31	28	31	43	29	37	42	58	27	21	13	22	23	11	27	26	13	23	33.8
	Minimum	20	15	18	14	20	45	48	40	36	33	26	22	26	22	17	22	29	23	22	35	27	19	4	2	10	9	1	1	9	5	12	20.4
Franklin	Maximum	30	40	45	28	49	52	52	55	53	45	42	34	42	26	31	36	40	27	37	45	60	34	26	23	24	23	18	29	30	26	37	36.7
	Minimum	9	10	12	12	10	13	34	34	41	42	28	22	21	24	16	11	11	21	18	22	34	21	13	−1	0	8	−5	−3	7	−2	−1	15.5
Freeland	Maximum	31	27	47	40	27	40	47	46	52	51	41	28	23	31	22	24	32	30	25	33	36	37	19	15	20	23	12	10	26	14	18	29.9
	Minimum	17	11	23	2	3	21	37	40	44	41	27	15	10	13	8	14	17	18	8	14	31	19	15	−7	−3	7	−6	−8	7	−6	−4	13.8
Gettysburg	Maximum	39	40	51	49	36	44	44	46	48	59	53	39	34	43	38	37	36	40	32	34	37	42	30	24	22	31	30	16	34	29	24	37.5
	Minimum	24	17	28	19	12	30	35	37	41	43	36	26	25	28	21	22	25	30	22	22	21	28	22	4	0	13	6	−12	12	5	6	20.9
Greensburg	Maximum	41	38	48	35	54	53	52	59	64	60	43	36	45	45	33	38	52	43	34	45	69	50	31	19	20	24	21	31	33	31	32	41.3
	Minimum	20	8	24	12	18	38	38	34	50	41	27	23	26	14	14	14	31	25	20	29	35	21	16	−3	0	20	0	0	24	3	14	20.8
Grove City	Maximum	37	37	37	33	46	49	61	51	60	60	39	33	42	42	28	28	33	34	39	40	40	35	23	17	8	21	20	22	25	25	30	35.3
	Minimum	19	9	30	9	14	38	41	42	50	37	30	20	25	20	16	14	21	20	21	29	34	19	14	−2	−3	8	−2	0	8	0	13	19.2
Hamburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Harrisburg	Maximum	38	40	49	29	35	39	42	45	48	54	47	35	34	43	37	34	42	39	28	33	37	42	28	15	19	31	18	18	33	19	22	34.6
	Minimum	24	19	25	15	10	33	36	38	42	42	35	26	23	27	23	24	25	27	21	23	32	27	15	6	7	17	5	−1	17	9	7	21.9
Hawley	Maximum	34	31	45	43	32	46	53	53	49	53	48	32	22	33	24	27	33	35	26	31	33	35	24	18	21	26	17	20	29	22	19	32.7
	Minimum	21	16	8	4	−12	12	33	35	37	43	26	17	9	24	4	13	15	18	3	16	30	23	16	−3	−15	12	−8	−23	−12	−9	−5	10.9
Huntingdon	Maximum	38	41	52	34	38	35	44	40	45	54	41	38	33	42	38	35	46	39	28	36	39	39	27	26	24	30	21	23	33	27	28	35.9
	Minimum	16	16	13	15	6	14	33	34	37	38	31	25	22	26	23	14	26	27	21	25	33	26	25	2	9	21	3	−2	19	7	10	19.8
Johnstown	Maximum	39	36	50	33	33	39	49	54	50	52	41	36	45	43	35	34	49	37	31	37	59	45	30	16	26	25	22	35	36	28	53	38.6
	Minimum	21	14	31	15	15	26	34	35	45	39	30	24	28	23	20	18	26	25	22	26	36	24	15	1	6	21	5	0	20	8	17	21.6
Lancaster	Maximum	38	40	43	42	35	39	44	48	51	55	51	42	34	44	38	37	38	40	33	35	38	38	31	23	17	29	29	19	30	32	28	36.8
	Minimum	24	20	17	16	10	28	34	37	38	42	32	26	23	28	17	17	25	22	20	22	32	28	21	2	0	11	4	−18	15	1	−5	19.0
Lawrenceville	Maximum	38	38	47	41	35	42	50	48	48	48	42	32	30	38	29	30	38	33	28	36	42	40	25	15	25	21	13	20	27	17	26	33.6
	Minimum	22	17	20	4	3	26	38	40	41	38	27	18	12	13	10	19	19	21	10	23	32	23	13	−6	4	12	−6	−8	15	0	2	16.2
Lebanon	Maximum	38	38	50	23	36	39	43	48	48	54	42	36	39	34	35	33	37	34	30	34	36	34	31	24	21	30	18	18	32	18	24	34.1
	Minimum	14	19	15	14	10	11	33	37	39	41	33	25	21	22	19	19	22	30	20	20	26	31	24	3	1	6	4	−11	−7	8	5	17.9
Marcus Hook	Maximum	41	50	50	....	....	....	60	57	64	62	47	42	44	39	36	42	49	42	47	45	47	44	33	24	33	34	22	35	35	21	28	37.8[c]
	Minimum	24	32	19	....	....	....	45	44	48	40	29	24	32	23	26	27	34	22	24	28	30	22	9	5	14	9	−1	16	12	7	6	21.0[c]
Meadville	Maximum	....	35	42	36	46	51	53	52	54	54	37	31	40	40	30	28	54	40	42	40	57	37	21	14	18	22	16	23	27	19	30	36.3[a]
	Minimum	....	10	31	11	15	39	42	45	49	37	28	22	22	20	15	13	27	21	20	29	35	20	13	−2	6	14	−4	−4	18	0	10	20.1[a]
Mifflin	Maximum	38	41	53	45	36	35	42	41	45	52	49	39	34	40	38	36	45	43	33	33	38	42	35	25	25	32	29	21	36	31	25	37.3
	Minimum	21	17	6	16	7	14	33	34	35	37	33	27	23	29	20	16	25	29	19	23	31	28	23	3	6	17	4	−3	13	9	7	19.4
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Muncy Valley	Maximum	34	33	46	43	27	36	41	44	47	48	42	34	28	34	26	29	38	36	25	32	38	36	25	18	16	27	....	....	....	21	24	33.1[c]
	Minimum	18	13	10	0	−4	13	32	33	32	39	24	16	13	18	11	13	20	23	10	20	28	24	18	−3	−9	10	−5	−12	12	−4	−3	13.2
Philadelphia	Maximum	44	38	51	37	40	51	53	61	60	57	50	38	38	41	34	36	41	41	28	46	43	43	29	17	20	31	20	21	35	21	21	38.3
	Minimum	25	23	32	18	15	34	42	46	46	50	37	25	23	25	21	28	28	25	21	23	36	28	17	7	4	8	5	3	18	9	7	23.8
Pittsburgh	Maximum	43	40	48	29	54	55	57	60	63	56	42	35	47	35	37	36	54	33	37	49	70	29	28	14	26	27	18	35	35	25	33	40.3
	Minimum	19	16	20	16	21	45	40	43	55	37	31	26	32	23	21	21	33	27	27	37	29	23	8	4	8	17	7	11	13	9	21	23.9
Quakertown	Maximum	38	35	48	43	37	41	47	51	52	54	50	36	32	38	29	31	37	38	30	34	36	40	27	21	19	31	27	18	32	28	17	35.4
	Minimum	24	20	20	13	6	27	34	38	39	46	33	25	19	24	16	20	24	29	16	19	32	25	19	2	−8	12	2	−13	15	4	−6	18.6
Reading	Maximum	38	39	52	31	39	40	45	53	55	54	43	35	35	38	36	35	38	37	27	34	39	40	29	15	23	31	18	24	32	20	24	35.5
	Minimum	24	21	31	15	13	32	36	39	43	43	32	25	21	24	20	23	25	24	19	21	32	29	15	3	6	16	4	−2	15	9	6	21.4
Ridgway	Maximum	36	35	46	23	44	48	52	54	53	45	42	30	40	24	30	33	41	30	34	40	52	34	21	12	23	25	20	29	29	26	32	34.9
	Minimum	11	10	10	2	2	15	36	38	40	42	27	20	16	20	17	14	14	21	14	18	34	21	12	−5	−5	7	−10	−9	−2	−8	−8	13.4
Scranton	Maximum	35	32	47	20	33	45	50	54	54	53	39	27	32	34	28	25	39	34	29	37	43	39	26	8	20	25	11	19	28	11	18	32.1
	Minimum	21	18	20	7	4	30	42	43	48	39	27	16	16	15	12	22	22	18	13	23	35	22	8	1	4	11	−3	−7	11	−1	1	17.4
Selinsgrove	Maximum	37	35	51	28	32	39	40	43	47	50	49	38	31	40	33	35	44	44	30	32	38	38	31	25	21	33	32	17	35	27	23	35.4
	Minimum	24	15	9	12	2	16	33	34	37	39	31	25	21	25	11	13	24	28	17	22	30	28	21	1	4	11	3	−5	13	6	4	17.9
Somerset	Maximum	35	34	45	37	47	48	55	58	57	51	38	31	42	42	30	29	47	37	25	36	62	45	24	17	21	24	17	32	30	32	28	37.3
	Minimum	19	9	30	8	8	33	31	28	42	38	25	25	22	19	11	12	21	21	15	23	33	19	17	−6	−7	17	−1	−15	21	−3	6	16.8
State College	Maximum	36	34	47	42	32	33	43	46	51	52	42	32	40	32	34	32	44	32	28	36	42	42	27	17	18	28	21	20	30	31	25	34.5
	Minimum	19	11	28	10	14	16	31	35	41	40	27	21	21	22	18	13	22	25	15	21	29	25	14	−3	−2	15	−2	−1	15	1	5	17.6
Stroudsburg	Maximum	42	41	52	48	38	28	28	45	50	55	45	35	37	24	27	31	37	34	30	36	39	37	37	28	21	27	19	18	34	17	25	34.4
	Minimum	21	20	31	4	−7	−5	22	25	35	45	34	23	11	20	10	18	22	23	10	11	22	35	24	6	−9	1	0	−15	−12	0	−3	13.6
Towanda	Maximum	36	35	48	32	32	46	53	51	51	51	39	29	32	37	28	28	41	33	27	38	42	40	24	17	21	26	11	19	29	13	20	33.2
	Minimum	22	19	24	6	4	23	37	40	45	35	28	15	12	16	14	21	21	17	13	25	34	20	13	0	0	10	−5	−9	11	1	0	16.5
Uniontown	Maximum	43	38	52	42	59	55	58	66	69	59	45	40	50	46	35	39	54	42	34	52	71	52	27	20	25	28	22	35	33	29	35	43.7
	Minimum	24	15	35	13	17	35	38	34	51	45	30	26	30	25	17	20	30	28	27	33	49	24	20	−4	−2	22	5	−4	28	6	14	23.6
Vandergrift	Maximum	43	40	51	28	54	54	54	54	61	56	44	36	49	39	38	33	55	36	38	42	70	48	25	15	28	27	11	32	36	21	31	40.3
	Minimum	22	15	21	14	16	27	34	36	44	37	29	23	28	23	19	15	33	23	23	34	31	27	6	0	4	3	2	0	11	4	16	20.0
Warren	Maximum	33	29	40	20	35	47	49	52	54	52	41	30	36	36	27	30	38	32	28	38	50	34	24	18	19	22	14	26	25	18	22	32.9
	Minimum	20	14	20	6	11	35	42	44	48	41	30	20	16	27	22	20	28	20	15	28	34	20	10	−6	2	6	−8	−5	14	10	10	19.2
Waynesburg	Maximum	42	39	49	41	56	54	56	61	68	60	44	40	46	46	35	35	56	44	35	48	69	48	28	19	24	29	23	35	35	28	36	42.9
	Minimum	22	14	26	11	12	38	37	34	50	44	28	24	27	24	18	20	16	26	26	33	40	21	16	0	0	21	3	−3	26	5	13	21.7
Wellsboro	Maximum	35	32	44	30	28	39	45	46	48	50	35	28	27	38	30	26	39	31	26	33	38	38	22	10	21	23	10	18	25	14	23	30.7
	Minimum	19	14	12	0	−2	19	35	37	41	30	26	15	10	11	11	11	18	17	7	19	33	18	8	−7	2	10	−5	−9	10	−2	0	13.2
Williamsport	Maximum	34	33	48	46	28	39	41	44	45	44	44	36	29	37	31	32	43	38	28	33	37	37	28	19	21	30	23	18	29	23	23	33.6
	Minimum	24	18	10	11	6	18	36	37	41	39	31	25	20	21	19	19	24	27	15	22	32	28	19	1	7	17	2	−3	16	4	6	19.1
Williamstown	Maximum	35	35	50	47	33	43	46	49	54	52	48	37	31	36	29	36	37	39	30	34	37	40	28	19	19	27	28	25	32	29	21	35.7
	Minimum	19	13	29	8	9	25	38	40	46	45	30	21	12	21	14	16	26	24	14	18	30	25	17	−3	3	11	−1	−3	10	2	2	18.1
York	Maximum	39	39	51	43	39	43	48	48	50	59	54	38	35	41	38	35	39	40	32	32	39	38	29	23	22	31	30	22	34	30	22	37.5
	Minimum	25	19	21	19	15	31	35	38	41	42	34	24	24	29	18	19	26	24	22	23	32	29	22	3	−6	8	6	−15	17	6	−2	20.3

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XL. FEBRUARY, 1935. No. 2.

GENERAL SUMMARY.

February, as a whole, was a moderate winter month with the exception of snowfall, which was heavier than usual. The coldest periods were of short duration, and centered on the 6th and 27th respectively, while the warmest periods centered about the 15th and 25th. The temperature extremes were not unusual, and with these exceptions the conditions were generally seasonable. The heaviest precipitation was in the form of snow, and the rains were mostly light. There was a fairly large snow-cover carried over from the big January storm, and, considering the State as a whole, the ground was snow-covered about one-half of the time. The average snowfall for the State, 14.4 inches, was the same as for February of last year, but the distribution was much different. Last year the heaviest February snows were in the eastern portion of the State, while this year they occurred in the central and western portions. A little more than one-half of the month's snowfall occurred from the 21st to the 23d inclusive, this being especially true of the central mountain region where it was the heaviest storm of the winter, and where it blockaded the highways for three or four days. Icy roads made travel dangerous at times, but seemingly no more than is usual for February. The run-off from melting snow was, for the most part, gradual, and did not cause floods in the streams, the only flood stage being reported at Parkers Landing, in the Allegheny River, on the 20th. Frost penetrated the ground from ten to fifteen inches. There was not much heaving of the soil, and at the close of the month the winter grains seemed to be in good condition. Ice froze heavy enough in the northern half of the State to make profitable cutting and storage. There is never much ice storage in the southern counties. Atmospheric disturbances during the month seemed to be unusually active and intense, yet did not cause unusual results. The range of barometric pressure was fairly large, being generally about 1.25 inches. Sunshine was a little less than the February normal.

TEMPERATURE.

The mean temperature for the State, as deduced from the observations taken at 92 stations, was 28.9°, which is 0.8° above the February normal. The highest monthly mean was 35.6° at Marcus Hook, and the lowest was 19.2° at Gouldsboro. Extremes of temperature ranged from a maximum of 66° at Uniontown on the 25th, to a minium of —26° at Gouldsboro on the 7th. The greatest daily range in temperature was 53° at Arendtsville on the 2d.

PRECIPITATION.

The average precipitation for the State, as shown by the reports of 142 well-distributed stations, was 2.67 inches, which is 0.30 inch less than the normal for the month. The greatest monthly amount was 5.98 inches at Westford, and the least amount was 1.16 inches at Williamstown. The greatest amount for any 24 consecutive hours was 2.25 inches at Clearfield on the 22-23d.

Snowfall for the month averaged 14.4 inches, which is 3.2 inches more than the normal for the month. The greatest monthly snowfall was 34.5 inches at Kylertown, and the greatest 24-hour fall was 17.0 inches at Clearfield on the 22-23d.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	28.4	+0.3	63	−31	2.50	−0.47	4.97	0.89	7.2	9	7	11	11
1889	23.0	−5.1	60	−27	1.96	−1.01	3.87	0.97	8.7	9	7	9	12
1890	37.0	+8.9	79	0	4.32	+1.35	6.39	2.28	5.6	11	6	8	14
1891	34.8	+6.7	70	−7	4.61	+1.64	8.29	2.13	5.6	12	6	8	14
1892	31.6	+3.5	62	−18	1.75	−1.22	4.48	0.43	6.3	9	7	7	15
1893	27.3	−0.8	60	−16	5.92	+2.95	9.28	2.92	26.4	14	6	8	14
1894	27.6	−0.5	64	−24	3.53	+0.56	5.59	1.62	22.7	11	8	9	11
1895	20.2	−7.9	60	−26	1.22	−1.75	3.47	0.17	13.2	6	10	10	8
1896	29.4	+1.3	65	−21	4.90	+1.93	9.08	1.94	10.5	11	9	7	13
1897	30.6	+2.5	67	−14	3.28	+0.31	6.67	1.04	10.3	9	7	8	13
1898	29.4	+1.3	72	−16	2.23	−0.74	4.05	0.96	6.1	9	8	8	12
1899	22.7	−5.4	67	−39	4.05	+1.08	10.22	0.98	23.6	12	8	7	13
1900	27.1	−1.0	81	−17	4.22	+1.25	7.75	1.00	7.0	11	8	6	14
1901	21.7	−6.4	57	−22	0.96	−2.01	2.75	0.27	7.9	8	10	9	9
1902	23.9	−4.2	64	−24	3.99	+1.02	7.43	0.45	14.3	10	9	7	12
1903	30.5	+2.4	68	−17	4.49	+1.52	6.13	1.80	10.8	10	10	7	11
1904	21.8	+6.3	68	−27	2.41	−0.56	4.80	0.92	6.8	11	10	7	12
1905	20.8	−7.3	59	−25	1.70	−1.27	2.83	0.44	9.7	8	10	8	10
1906	28.0	−0.1	79	−21	1.70	−1.27	3.80	0.36	6.8	7	12	7	9
1907	22.8	−5.3	56	−20	1.91	−1.06	4.37	0.66	15.2	8	12	7	9
1908	24.8	−3.3	64	−29	4.65	+1.68	8.15	2.51	23.6	11	10	7	12
1909	35.8	+7.7	73	−9	4.84	+1.87	9.86	2.40	4.0	14	6	7	15
1910	26.6	−1.5	65	−22	3.59	+0.62	5.39	1.41	15.0	11	9	7	12
1911	31.0	+2.9	66	−8	2.27	−0.70	3.76	0.85	11.1	10	7	6	15
1912	23.7	−4.4	69	−27	2.20	−0.77	4.05	0.37	6.5	8	11	8	10
1913	27.4	−0.7	67	−9	1.84	−1.13	4.61	0.88	5.7	9	12	5	11
1914	21.8	−6.3	65	−27	2.78	−0.19	6.20	1.30	23.5	10	11	6	11
1915	33.3	+5.2	73	−9	3.90	+0.93	6.95	1.85	2.0	9	9	5	14
1916	25.7	−2.4	67	−22	3.08	+0.11	5.86	1.30	14.3	12	8	7	14
1917	25.6	−2.5	68	−29	1.46	−1.51	3.37	0.35	8.0	10	9	9	10
1918	28.2	+0.1	69	−34	2.46	−0.51	4.82	0.55	2.9	9	10	8	10
1919	32.0	+3.9	66	−7	2.23	−0.74	4.27	1.03	4.7	11	12	6	10
1920	25.6	−2.5	62	−20	2.44	−0.53	5.23	0.70	18.3	11	9	8	12
1921	32.8	+4.7	76	−15	2.59	−0.38	4.79	1.41	15.4	10	8	8	12
1922	33.0	+4.9	74	−19	1.99	−0.98	3.61	0.67	7.7	10	9	9	10
1923	24.6	−3.5	58	−20	2.16	−0.81	4.80	0.65	11.7	12	8	8	12
1924	26.9	−1.2	70	−25	2.94	−0.03	5.16	1.27	16.3	10	11	7	11
1925	35.6	+7.5	71	−11	2.16	−0.81	4.61	0.55	2.1	8	11	7	10
1926	28.7	+0.6	65	−13	4.06	+1.09	7.29	1.34	23.3	12	7	6	15
1927	35.0	+6.9	69	−8	3.48	+0.51	5.94	1.25	16.5	13	7	8	13
1928	30.3	+2.2	65	−11	3.42	+0.45	5.39	1.62	6.7	11	10	7	12
1929	28.0	−0.1	69	−20	2.87	−0.10	5.17	1.36	11.7	9	10	8	10
1930	35.1	+7.0	80	−18	2.69	−0.28	4.88	0.93	3.9	11	9	6	13
1931	31.9	+3.8	66	−16	1.98	−0.99	3.61	0.87	5.2	9	11	5	12
1932	35.3	+7.2	83	−8	1.64	−1.33	4.24	0.62	2.9	10	10	8	11
1933	31.3	+3.2	68	−15	2.30	−0.67	4.31	0.73	9.4	10	12	7	9
1934	18.1	−10.0	59	−34	1.31	−1.66	3.74	0.48	14.4	7	13	7	8
1935	28.9	+0.8	66	−26	2.67	−0.30	5.98	1.16	14.4	12	8	7	13
Period	28.1	....	83	−39	2.97	....	10.22	0.17	11.2	10	9	7	12

W. B. O. Philadelphia-3-25-35-1050.

Climatological Data for February, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	27.6	−2.9	54	25	−6	7	45	2.20	−0.92	0.71	9.4	10	16	5	7	ne.	John A. Frick.
Altoona	Blair	1,615	48	28.2	+1.0	56	15	−1	7	28	3.12	+0.91	1.40	24.5	10	10	14	4	w.	John J. Martin.
Ardmore	Montgomery	350	3	31.3	−1.9	60	25	−1	1	40	2.86	−0.53	1.14	8.5	9	....	....	....	......	H. L. Balderston.
Arendtsville	Adams	700	13	28.4	−4.1	59	15	−5	1	53	1.59	−1.18	0.70	10.0	8	13	4	11	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	30.8	......	58	15	−5	7	37	2.44	......	0.62	12.6	10	10	4	14	nw.	Charles C. Lee.
Bellefonte	Center	1,050	27	26.2	−1.1	51	15	−16	7	42	1.77	−0.67	0.43	17.1	15	4	5	19	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	50	30.8	−0.3	56	25	−1	1†	32	2.12	−1.25	0.49	8.2	10	12	3	13	w.	Lehigh University.
Carlisle	Cumberland	467	69	29.2	−0.8	52	15	−16	7	42	2.61	−0.46	0.65	15.0	10	10	8	10	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	29.7	+0.1	55	25	−11	7	45	2.91	+0.22	0.78	17.0	10	15	5	8	......	W. L. Gearhart.
Center Hall	Center	1,272	39	22.8	−4.5	50	25	−11	7	31	3.29	+0.83	0.92	23.0	10	9	10	9	......	S. W. Smith.
Chambersburg	Franklin	580	36	31.4	0.0	60	15	−5	1†	35	2.09	−0.81	0.43	8.1	13	3	11	14	sw.	William B. Spear.
Clearfield	Clearfield	1,120	28	27.7	−0.8	53	15	−7	7	38	3.84	+1.11	2.25	27.0	11	10	5	13	ne.	E. W. Hess.
Coatesville	Chester	380	48	30.2	−0.2	56	25	−5	1	31	2.59	−1.37	0.77	7.4	10	11	4	13	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	27.8	−2.5	57	25	−11	1†	43	2.08	−0.98	0.50	10.2	10	11	3	14	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	26.5	+0.9	51	15	−16	7	43	3.83	+0.83	1.20	25.0	13	8	7	13	nw.	T. B. Lloyd.
Ephrata	Lancaster	380	43	30.8	+1.1	59	25	−9	7	41	2.31	+0.78	0.70	9.8	11	8	10	10	n.	Ira J. Keath.
Freeland	Luzerne	1,970	42	24.7	0.0	50	25	0	6	32	2.73	−0.47	0.65	21.3	17	5	10	13	nw.	Theo. Reichmann.
George School	Bucks	190	29	30.2	−1.0	60	25	−7	1†	42	2.45	−0.64	0.48	11.5	9	17	4	7	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	32.0	+0.9	59	25	−6	1†	38	1.89	−0.92	0.31	8.3	12	12	7	9	w.	Dr Henry Stewart
Gordon	Schuylkill	840	31	28.0	+1.0	51	15†	−18	7	51	2.29	−1.08	0.44	14.0	10	13	6	9	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	19.2	−5.6	43	15	−26	7	46	2.38	−0.72	0.71	13.8	12	16	3	9	w.	Ronald H. Marshall,
Hamburg	Berks	535	42	30.4[d]	+1.2	53[d]	26	−9[d]	7	39[d]	......	......	......	......	....	....	....	....	......	State Sanatorium.
Hanover	York	600	31	32.4	−0.5	63	25	−6	7	38	2.10	−0.60	0.35	11.0	11	12	6	10	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	30.4	+0.2	53	15	−4	7	31	2.12	−0.84	0.52	13.4	13	4	14	10	w.	U. S. Weather Bureau.
Hawley	Wayne	900	17	24.3	−2.1	54	25	−19	1	49	2.09	−0.45	0.67	12.8	9	12	8	8	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	30.7	−2.4	48	16†	−3	7	29	1.95	−0.73	0.47	8.2	11	12	6	10	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	30.2	+1.0	59	15	−9	7	45	2.84	−0.01	1.50	18.0	7	12	6	10	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	31.3	−0.2	62	25	−3	1†	41	1.42	−1.26	0.42	7.4	10	5	7	16	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	25.8	......	51	15	−7	7	36	2.60	......	0.93	34.5	13	9	7	12	se.	Bureau of Plant Industry.
Lancaster	Lancaster	255	48	29.2	−1.8	57	26	−17	7	45	2.40	−0.31	0.84	8.0	8	11	10	7	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	25.8	+1.3	52	15	−17	6†	51	1.44	−0.37	0.80	16.5	7	9	8	11	......	C. P. Darling.
Lebanon	Lebanon	469	51	28.6	−1.0	58	25	−10	7	47	2.27	−1.07	0.51	12.0	11	16	5	7	nw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	29.5	+1.5	47	3	−9	7	33	2.16	−0.62	0.69	13.0	13	3	14	11	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	35.6[b]	......	59[b]	24†	11[b]	6	27[b]	2.78	......	1.34	4.4	10	17	4	7	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	26.5	−1.3	53	25	−11	7	48	2.16	−1.58	0.44	10.0	8	10	8	10	nw.	R. K. Wintermute.
Mifflin	Juniata	445	31	31.8	+3.0	55	16†	−6	7	42	2.77	+0.34	1.07	15.0	7	14	3	11	w.	W. H. Manheck Co.
Montrose	Susquehanna	1,658	31	......	......	......	......	......	..	....	......	......	......	......	....	....	....	....	......	Vacant.
Mt. Pocono	Monroe	1,720	29	23.8	+2.5	48	15†	0	28	33	2.35	−0.67	1.00	16.0	8	6	1	21	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	23	24.2[a]	−2.2	46[a]	15	−12[a]	7	37[a]	2.05	−0.42	0.60	12.0	9	8	11	9	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	28.0	−1.8	61	25	−11	7	44	2.50	−0.36	0.99	10.8	9	15	1	12	nw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	28.2	......	51	25	−10	7	39	1.65	−0.58	0.46	5.8	9	12	7	9	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	33.0	−0.9	60	25	8	1	36	3.12	−0.20	1.26	5.9	9	5	11	12	sw.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	10	32.9	......	61	25	5	1	32	3.16	......	0.70	9.1	11	7	12	9	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	19	......	......	......	......	......	....	....	......	......	......	......	....	....	....	....	......	Commandant, Navy Yard.
Phœnixville	Chester	100	25	30.6	−1.6	60	25	−14	1	41	2.57	−0.69	0.78	8.3	11	10	11	7	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	50	28.0	−0.8	53	25	−18	7	39	2.03	−1.61	0.77	10.4	9	11	10	7	nw.	John E. Benner.
Reading	Berks	514	65	31.2	+2.4	59	25	0	7	39	2.56	−0.86	0.68	11.0	9	3	15	10	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	27.1	......	52	25	−7	7	39	1.88	......	0.49	18.5	7	8	7	13	ne.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	27.7	+0.4	56	25	−1	1	33	1.87	−1.17	0.55	11.5	13	4	10	14	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	29.3	+2.0	50	15	−11	7	40	2.50	−0.54	0.63	12.5	11	3	15	10	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	31.6	−2.2	58	25	−5	1	32	2.28	−0.99	0.62	6.6	11	12	7	9	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	30.7	......	58	15	−5	1†	32	2.74	......	0.50	12.3	12	5	10	13	sw.	State Teachers College
State College	Center	1,217	51	28.5	+3.0	54	15	−6	7	34	3.15	+0.51	1.15	20.1	13	5	9	14	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	25.9	−1.3	51	25	−13	1	52	2.14	−0.85	1.00	4.9	6	13	6	9	n.	State Normal School.
Towanda	Bradford	754	41	26.0	+1.2	56	25	−15	7	45	1.76	−0.23	0.62	13.0	12	6	10	12	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	24.4	−0.6	53	24	−20	7	48	1.59	−0.69	0.83	19.5	11	16	7	5	nw.	George W. Hill.
West Chester	Chester	455	86	31.7	+0.6	58	25	1	1	29	2.77	−1.05	0.50	11.0	10	14	6	8	w.	Joseph W. Belt.
Williamsport	Lycoming	521	49	28.2	+0.5	45	2	−6	7	33	2.23	−0.37	0.61	14.8	13	12	2	14	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	29.5	−1.2	55	17	5	1	31	1.16	−1.60	0.37	7.0	6	6	15	7	sw.	Susquehanna Collieries Co.
York	York	400	47	31.6	+0.6	65	25	−14	7	44	1.95	−0.94	0.32	6.0	12	11	8	9	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	32.1	−0.7	56	15	6	27	31	2.46	+0.06	0.81	9.7	14	7	3	18	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	23.2	−2.1	49	16†	−17	7	45	2.92	+0.55	1.15	21.5	13	10	4	14	......	Frank S. Fawcett.
Butler	Butler	1,077	22	27.2[a]	−1.6	52[a]	15†	−5[a]	1	40[a]	1.86	−0.56	0.84	20.5	4	10	7	11	w.	William C. Faust.
Chambersville	Indiana	1,047	5	28.8	+0.7	57	13	−4	7	41	3.92	+0.90	0.98	21.6	15	8	1	19	w.	John E. Lewis.
Clairton	Allegheny	1,020	3	29.8	......	59	15†	1	27	33	3.20	......	1.12	14.4	15	2	9	17	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	32.1	+0.7	59	25	−1	27	34	3.62	+1.11	1.10	16.6	14	8	3	17	s.	J. L. Melvin.
Corry	Erie	1,430	22	24.8	−1.3	48	16	0	12	38	3.75	+0.50	0.81	22.5	15	8	6	14	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	32.2	+2.6	61	25	1	27	33	4.13	+0.99	1.32	31.2	15	10	4	14	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	18	27.0[a]	−1.0	51[a]	15†	0[a]	26	41[a]	3.19	+0.31	1.00	30.0	12	8	13	7	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	28.0[a]	0.0	62[a]	25	4[a]	28	38[a]	1.70	−1.68	0.40	17.0	7	8	5	15	w.	J. S. Stevanus.
Franklin	Venango	957	61	25.2	−0.6	51	16	−7	7	46	2.83	0.00	0.57	11.6	14	6	2	20	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	26	31.5	−0.1	58	25	2	27	33	4.04	+0.99	1.05	23.5	19	5	7	16	w.	Westmoreland Water Co.
Greenville	Mercer	950	39	27.2	+0.4	48	15	−4	7	36	2.47	−0.07	0.64	13.8	15	7	4	17	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	27.7	0.0	48	25	1	6	37	3.24	+0.90	0.62	20.3	19	4	5	19	nw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	53	31.1	+0.9	59	15	0	7	33	3.70	−0.08	1.79	26.9	18	8	5	15	s.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	23.4	......	42	15†	−7	6	36	3.46	......	1.03	21.5	14	8	1	19	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	31.6	+2.2	61	25	0	27	35	3.81	+0.62	0.90	21.5	13	0	2	26	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	26.5	+2.7	50	15	−8	7	40	2.45	−0.37	0.49	15.0	14	5	3	20	sw.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	30.4	......	59	25	−2	27	29	3.17	......	1.31	15.2	15	6	4	18	w.	Fred Hoffman.
New Castle	Lawrence	808	55	27.8	−0.6	63	16	−2	7	35	2.65	+0.23	0.61	18.9	18	3	12	13	n.	New Castle Water Co.
Newell	Fayette	800	15	30.0	−2.1	62	26	5	27	42	4.02	+1.75	1.50	10.0	12	1	10	17	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	33.2	+0.9	61	25	8	27	27	3.00	+0.38	1.16	12.8	18	3	4	21	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	24.4	−2.0	51	25	−10	7	46	2.53	+0.11	0.72	15.3	15	3	6	19	s.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	26.2	−2.0	49	15	0	6	30	2.77	+1.03	0.60	14.0	11	3	7	18	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	26.8	−0.2	60	25	−14	7	50	2.99	−0.95	0.80	22.1	17	2	7	19	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	34.2	+1.8	66	25	1	27	37	3.22	+0.14	0.67	10.0	16	8	5	15	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	31.5	−0.5	60	15	0	7	36	3.12	+0.25	1.30	......	12	7	10	11	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	25.4	+0.9	46	25†	−8	6	36	2.70	+0.16	0.53	17.5	19	4	6	18	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	33.7	......	65	25	0	27	37	2.50	......	1.00	6.0	8	2	13	13	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	28.0	−0.9	51	15	1	6	26	2.60	+0.02	0.50	15.6	17	5	5	18	w.	U. S. Weather Bureau.
For the State	......	......	....	28.9	+0.8	66	25	−26	7	53	2.67	−0.30	2.25	14.4	12	8	7	13	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for February, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh					T.	.12			.04					.05	.71		.35					.15	.13	.13		.17	.35					2.20
Altoona	Juniata	T.			T.	.40	.10			.15					.18	.24		.25	.10	.10			1.40	.20									3.12
Ansonia‖‖	W. Br. Susq				T.	.02	.07		.02	.07		T.			T.	.14	.01	.13		.06	.07	T.	.06	.61			.21	.02					1.49
Ardmore	Lower Del					.11	T		T.	.08	.02				1.14			.38		T.	T.	T.	.21	.11		T.	.71	.10					2.86
Arendtsville	Lower Susq						.24					.02				.70		.20					.15	.15			.10	.03					1.59
Baker's Summit	Juniata					.16	.10			.02					.31	.07		.31		.03	.06		1.12	.22			.15	.03					2.58
Bedford	Juniata				T	.10	.25	T.		.23	.02	T.			.30	.11		T.		T.	T.		.62	.10			.51	.20					2.44
Bellefonte***	W. Br. Susq			T.	.01	.14	T.	T.	.05	.07	T.	T.		.01	.38	.11	.04	.28	T.	.02	T.	.10	.34	.10		.06	.06	T.	T.				1.77
Bethlehem	Lehigh					.10	.03		T.	.03					.23	.49		.45					.09	.11	T.		.36	.23					2.12
Bloserville‡‡	Lower Susq					.05									.40				.10				.90	.70			.60	.10					2.85
Buffalo Mills	Juniata						.19				.18					.20		.23			.13		.30	.46				.20					1.89
Carlisle	Lower Susq					.30	.15		T.						.34	.22	T.	.32			.03	T.	.65	.25			.25	.10					2.61
Catawissa‡	N. Br. Susq					.31			.10	.21					.40		T.	.38				.18	.60	.18			.35	.20					2.91
Center Hall	Susquehanna				.16	.24	.20		.01	.02					.21	.67		.28					.58	.92									3.29
Chambersburg	Potomac				T.	.22	.08		.01	.07	.12				.33	.07		.21			.02		.21	.26			.43	.07					2.09
Clearfield	W. Br. Susq			T.	T.	.10			.05	.12		T.			.40	.18		T.		.03	T.	T.	.25	2.25		.20	.25	.01	T.				3.84
Coatesville	Lower Del					.19	.05		T.		.11				.77	.16		.33					.12	.11			.50	.25					2.59
Colebrook	Lower Susq				T.	.30	T.		T.	.10	.01				.40	.05		.25		T.	T.	T.	.50	.14			.30	.03					2.08
Conshohocken	Schuylkill					.08	.04		T.	.01	.09				.60	.61		.42					.14	.11			.72	.49					3.31
Cresson‡	Juniata																																......
Doylestown	Lower Del					.11	.04		T.						.39	.60		.32			T.		.23	.07			.36	.18					2.30
Emporium	W. Br. Susq			T	T.	.55			.12	.11		T.			.31	.14	T	T	.10	.05	.20		.30	1.20		.36	.34	.05	T.				3.83
Ephrata	Lower Susq					.20	.02		T.	.03	.02				.34	.36		.36			T.		.24	.16			.39	.19					2.31
Forest City	N. Br. Susq								.50							.33		.16				.08					.80	.27					2.14
Freeland‖‖	Lehigh				.03	.02	.21		.01	.15					.02	.41	.02	.28		.01	.01	.09	.20	.42	.20		.36	.29					2.73
Galeton	W. Br. Susq				T.	.18			.09	.10					.04	.27		.10	.08	.10	.14		.06	.90		.48		T.	T.				2.54
George School	Lower Del				T.	.06	.10		T.		.08				.48	.35	T.	.35	T.				.28	T			.35	.40					2.45
Gettysburg	Potomac					.20	.10		T.	.02	.11				.31	.31		.17		T.	.01		.13	.20			.27	.06					1.89
Girardville‖‖	Lower Susq				.01	.33			.02						.50	.03		.26		.01		.31	.28	.15			.52						2.42
Gordon	Lower Susq					.24			.04	.04					.28	.21		.35					.20	.44			.29	.20					2.29
Gouldsboro‖	Lehigh				.05		.10			.10						.35		.05		.05	.02	.05	.05	.51	.20			.85					2.38
Graterford	Schuylkill					.09	.02		.03		.02				.54	.31		.17					.19	.11			.26	.12					1.86
Hamburg	Schuylkill																																......
Hanover	Lower Susq				T.	.17	.19		T.	.03	.12				.23	.27		.26		T.	T.		.08	.16			.35	.24					2.10
Harrisburg***	Lower Susq				T.	.22	.01		.03	.03	T.	T.		.01	.34		.11	.23		1.	T.	.06	.51	.18			.37	.02					2.12
Hawley‖‖	Upper Del					T.	.10			.28					T.	.44	T.	.20	T.	T.	T	.06		.47	.20		.22	.12					2.09
Hollisterville	Upper Del					T.	.14			.20	T.	T.			.03	.37	.06	.23	.02	T.	.02	.07	.05	.50	.16		.30	.12	T.				2.27
Holtwood‡‡	Lower Susq				T.	.26	.11			.02	.10				.15	.47		.28		T.			.12		.10		.22	.12					1.95
Huntingdon	Juniata					.20	T.			.06		T.			.40						T.		1.50	.47			.11	.10					2.84
Hyndman	Potomac				T.	.14	.34			T.	.05				.21	.03		.42		T.	.07		.11	.03			.02						1.42
Kylertown	W. B. Susq				.03	.32	.03					.12			.44	.06		.27	.03		.16		.44	.49			.18	.03					2.60
Lakeville‖‖	Upper Del			T.	T.	.02	.06			.18					.01	.58	.05	.24	.02	.10	.01	.13	.01	.62	.21	T	.26	.14					2.64
Lancaster	Lower Susq					.28					.02				.84			.32					.18	.11			.38	.27					2.40
Lansford‖‖	Lehigh					T.	.18			T.	T.				T.	.47		T				T.	.13	.40	*	.10	.07	.08					1.43
Lawrenceville	N. Br. Susq				T.	.10			.14						T.	.10	T.	.10	T.		.20	T.		.80		T.		T.					1.44
Lebanon	Lower Susq			T.	T.	.24				.07	T.			.14	.37		.30			T.	.04	.24	.40	.10			.29	.08					2.27
Lock Haven	W. Br. Susq				T	.10	.10		.04	.07					.10	.32		.28		.13	.05	T.	.15	.69			.10	.03					2.16
Marcus Hook	Lower Del						.09			.06	.10				*	1.34		.32			T.		.03	.04			*	.80					2.78
Matamoras‖‖	Upper Del						.10			.03						.40			.05				.30	.10	T.		.37	.12					1.47
Mauch Chunk	Lehigh					.14									.44	.28		.28					.21	.43			.29	.09					2.16
Mifflin	Juniata					.11			T.							.48		.15					.63	1.07			.27	.06					2.77
Montrose	N. Br. Susq																																......
Morris Run	N. Br. Susq				.08	.20	.04		.05	.06					.14			.04	.12	T.	.16			.90			.15	.07					2.01
Mount Pocono	Upper Del						.25	.03	.15	T.		T.			.60	.10		.18	T.	T				1.00	T.		.04	T.					2.35
Muncy Valley	W. Br. Susq					.14			.03						.09	.26		.10	T.	.35	T.		T.	.60			.38	.10					2.05
Neshaminy‖‖	Lower Del					.05			.01	T.	.04				.99			.36				T	.23	.11			.67	.04					2.50
New Park	Lower Susq					.21			.18						.59								*	.20			.15	T.					1.33
Newport‖‖	Juniata				T.	.03	.25			.08	T.				T.	.44	.09	.28		.02	.02		.40	.45	.10		.53	.24					2.93
Palmerton‡	Lehigh					.15			T.	T.					.46	.06		.33				.02	.09	.14			.36	.04					1.65
Paupack‖‖	Upper Del						.12			.23						.45					.03	.07		.55			.28	.10					1.83
Philadelphia***	Lower Del				T.	.11	T.		T.	.01	.08				1.26			.36			T.		.15	.08		T.	.99	.08					3.12
Philadelphia-Gtn	....do				T.	.08	.04		T.	.01	.07				.70	.60		.35			T.		.15	.09			.56	.51					3.16
Phila. Navy Yard‖‖	....do																																......
Phila-P'nt Breeze.‡	Lower Del				T.	*	.12				.06				1.30			.35		T.			*	.27			.65	.31					3.06
Phoenixville	Schuylkill				T.	.09	.05		.01	T.	.06				.38	.62		.30					.20	.08			.38	.40					2.57
Pine Grove	Lower Susq				T.	.70			.08	.05	T.				.61		.14	.30	T.		T.	.20	.60	.12		.02	.34	.06					3.22
Pleasant Mount	Upper Del				.07				.58						.44										.94	.52		.10					2.65
Pottstown	Schuylkill				T.	.35	T.		T.	.03	T.				.55		T.	.40		T.	T.	.02	.35	.10		T.	.60	.04					2.44
Pottsville	Schuylkill					.30	.01		.01	.04	T.				.24	.41					T.		.20	.50			.41	.05					2.17
Quakertown	Lower Del					.18	.03			.03					.37	.40					T.		.23	.17			.39	.23					2.03
Reading***	Schuylkill				T.	.33	T.		T.	.04	T.				.65		T	.37		T.	T	.03	.35	.11		T.	.65	.03					2.56
Renovo‖‖	W. Br. Susq					.06	.17	.01	.01	.08					.08	.29	.04	.34	.05		.03	.20	.69	.68			.24	.04					3.01
Retreat	N. Br. Susq				T.	.16									.25	.49	T.			.04			.39	.30				.25					1.88
Scranton***	....do			T.	.01	.11			.10	.04	T	T.			.39	.02	T.	.15	T.	.05	.02	T.	.18	.25		T.	.47	.08	T.				1.87
Selinsgrove	Lower Susq					.05	.10		.01	.10					.26	.29		.31					.26	.63			.46	.03					2.50
Shawmont	Schuylkill					.10	.03		T.	.02	.10				.49	.62		.30			T.		.21	.05	T.		.30	.06					2.28
Shippensburg	Lower Susq				T.	.30	.07		T.	.11	.07	T.			.27	.27		.30	T	T.	.02	T.	.40	.35			.50	.08					2.74
Snow Hill‡‡	Upper Del					.02			.12						.62				.32				*	.58				.26					1.92
State College	W. Br. Susq			T.	.02	.37	T.		T.	.19		T.			.38	.15	T.	.36	T.	.05	.04	T.	1.15	.14		.09	.10	.11	T.				3.15
Stroudsburg‖‖	Upper Del					.02	.10			T.					T.	1.00		.30			T	T	T.	.22			.50						2.14
Sunbury	Lower Susq					.07	.28			.27					.09	.28	.23						.28	.86	.12		.33	.27					3.08
Towanda	N. Br. Susq			T.	.08	.12	T.		.12	.07	T.	T.			.18	.10	.02	.16	T.	.04	T.	T.	T.	.62	T.	T.	.14	.11	T				1.76
Weikert	Lower Susq					.15			.16						.25	.26		.38					.28	.60			.14						2.22
Wellsboro	W. Br. Susq					.08	T		.02						.24	.09		.13	T.	.03	.05		.03	.80		.10		.02					1.59
West Chester	Lower Del					.20	.30		.02						.25	.50		.50					.15	.15			.40	.30					2.77
Westgrove‖‖	....do						.13			.03	.15	T.			.19	.54		.32						.07	.06		.16	.42					2.07
Wilkes-Barre‖‖	N. Br. Susq				T.	.02	.10		T.	.12					.06	.33		.24		T	.10		.02	.40	.14		.45	.23					2.22
Williamsport‖‖	W. Br. Susq				.03	T.	.13		T.	.07					.02	.50	.05	.28		.07	T.		.15	.61	.06		.16	.10					2.23
Williamstown	Susquehanna				T.	.13	T.		T.	.08		T.						.37		T.	T.		.23	.28			.07	T.					1.16
York	Lower Susq					.20	.05		.02	.02	.09				.22	.30		.32					.16	.15			.30	.12					1.95
York Haven‖‖	Lower Susq					.03	.25			.05	.05				.09	.33		.24			T.		.01	.27	.09		.19	.03					1.63
Zionsville..(near)	Schuylkill					.30									.05	.42		.50					.60	.45			.36	.31					2.99
Trenton, N. J***	Lower Del				T.	.07	T.		T.	.01	.06	T.			1.08	T.		.37			T.	T.	.43	.06			.57	.16					2.81

Continued on page 9.

Daily Precipitation for February, 1935—Continued from page 8

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio			T.	.04	.25	.20		T.	.08		T.			.03	.33	.01	.02	T.	.01	.05	T.	.35	.81			.27	.01					2.46
Beaver Falls‖‖	Beaver			T.	.05	.17	.20		T.	.09	T.	T.	T.		.02	.42	T.	.02	.02	.02	.02	.10	.45	.95	.01		.15	.01	T.				2.70
Bradford	Allegheny	T.	T.	T.	.06	.28	T	T.	.14	.19	T.	T.	T.	T.	.21	.35	.07	.07	.08	.27	.06	T.	.05	.24	T	.34	.30	T.	.02				2.73
Brookville	...do			T.	T.	.15	.35		T.	.34		T.			.03	.40	.04	T.	.08	.04	.20	T.	.35	1.15	T.		.77	.02					3.92
Butler	Ohio					.40														.20	T.		.42	.84									1.86
Chambersville	Allegheny			.04	.06	.23	.02		.06						.27	.33		.07	.04	.08	.06		.92	.98			.71	.05					3.92
Clairton‡	Monongahela			.02		.25	.14			.13		T.		.03	.49	.05	.05	.01	T.	.01	.01	T	1.12	.54		.32	.03						3.20
Claysville	Ohio			T.	.05	.15	.05			.17					.27	.10		.06	T.	.01	.10		.96	1.10		.04	.52	.04					3.62
Clymer‡‡	Conemaugh																																
Confluence‖‖	Youghiogheny				.07	.12	.17			.10	.10				.14	.34	.02	.22	.02		.04	.12		1.05			.23	.04					2.78
Corry	Allegheny				.23	.20			.10	.25					.37	.42	.05	.04	.08	.22	.28		.18	.81		.44			.08				3.75
Derry	Conemaugh			.07	.15	.19	.02		.02	.25		T.			.17		.05	.16	T.	T.	.05		1.32	1.03		.10	.48	.07					4.13
Donora‖‖	Monongahela			T.	.03	.13	.11		T.	.14					.07	.34		.04	T.		T.		.53	1.73			.39	.01					3.52
Ebensburg	Conemaugh				T.	.28	.06			.13					.25			.29	.04	.04	.16		1.00	.88		.04	.02						3.19
Elk Lick	Youghiogheny				.20	.40				.20								.20			.40			.20				.10					1.70
Franklin‖‖	Allegheny				.06	.39			T.	.28					.02	.41	.08		.07	.13	.11	.03	.38	.57	.06		.24						2.83
Greensboro	Monongahela				.03	.01	.14			.15	.06				.04	.32	.12	.16	T.	T	.03	.01	.01	1.29	T.		.53	.04	T.				2.94
Greensburg	Youghiogheny			.06	.05	.48	.09		.01	.12		T.			.34	.02		.11	.02	.11	.09	.01	1.05	.95		.08	.36	.07	.02				4.04
Greenville	Beaver			T.	.02	.46			.19	.03	T.	T.			.26	.38		.01	.04	.06	.07	T.	.25	.45		.21	.02		.02				2.47
Grove City	...do			.02	.04	.52	.01		.10	.16	T.	T.	T.		.25	.25		.30	.06	.05	.05	.03	.45	.62		.16	.01	.15	.01				3.24
Herrs Isl. Dam‖‖	Ohio			T.	.06		.15	T.	T.	.07		T.	T.		.10	.40	.12	T.	.02	.01	.04	.01	.49	1.77	T		.33	.10					3.67
Irwin	Monongahela			.10	T.	.15	.07		.03	.24					.43	.11		.08	T.	.05	T.		.65	1.25		.32	.35	.04	T.				3.87
Johnstown	Conemaugh			.02	.11	.25	.07		T.	.10	T.	T.		.01	.36	.03	T	.22	.04	.08	.15	.04	1.79	.24		.05	.10	.04	T.				3.70
Kane (near) ‡‡	Allegheny			T.	.05	.25	T.		.20	.20	T.	T.			.34	.21	T.	.02	.13	.26	.17	T.	.07	1.03		.18	T.		.35				3.46
Kregar‖‖	Youghiogheny			.18	.11	.28			.17	.02		T.		.04	.17		.14	.05		.07	.05	.19	1.35	.04		.32	.05	T.	T.				3.23
Lake Lynn‖‖	Monongahela				.10	.04	.18			.06	.06				.03	.26		.26	.01			.04		.86	.02		.69	.05					2.66
Linesville‖‖	Beaver			T	.10	.16	.10	T.		.38		T	T.		.04	.48	T.	.05	.03	.19	.06	T.	.24	.53	.01	T.	.38		T.				2.75
Lock No 2‖‖	Ohio				.08	.13	.12			.10					.04	.34	.09	.04	T.		.02		.26	1.44			.27	.02					2.95
Lock No. 4‖‖	Monongahela				.05	.10	.14			.20	.02				.04	.47		.08	.02	T.	.03	.02	.11	2.01	.03		.38	.02					3.72
Lock No. 5‡‡‖‖	Allegheny			T.	.04	.06	.18		T.	.16		T.	T.		.09	.44	.07	.06	T.	.03	.04	.02	.49	1.22	T.		.47	.04					3.41
Lycippus	Conemaugh			.05		.27	.14		.04	.28		T.			.20	.08		.04			.22		.90	.68			.64	.27					3.81
McKeesport‖‖	Monongahela				T.	.01	.02									.53		.01	T.		.01		.21	2.06			.33	.03					3.21
Meadville	Allegheny			T	.04	.32			.24	.20					.16	.33		T	.08	.20	.05		.10	.40		.16	.15	T.	.02				2.45
Mosgrove	...do			T.	.07	.04	.15			.19	T.	T.	T		.06	.47	.17	.05	T.	.08	.05	T.	.50	.88			.44	T.					3.15
Mount Lebanon	Ohio			.02	.04	.28	T.		.02		T.	T.		.06	.31	.03	.05	.02	T	.03	.03	T.	1.31	.52		.21	.24	T.	T.				3.17
Natrona‖‖	Allegheny			T.	.13	.27	.25			.15			T.		.10	.44	.10	.06	.01	.05	.68	.07	.49	1.36	.04		.60	.10	T.				4.30
New Castle‖‖	Beaver			T.	.04	.45	.09		T.	.13		.03	.01		.01	.46	.02	.02	.03	T.	.04	.02	.56	.61	T.		.11	.01	.01				2.65
Newell	Monongahela			.14	.03	.20				.23		T.	.02		.02	.60		1.00					*	1.50	.08		.20						4.02
Parkers Landing‖‖	Allegheny			T.	.05	.06	.30		T.	.24		T.	T.		.07	.46		T.		.04	.12	T.	.30	.90	T.		.57	T.	T.				3.11
Pennline‖‖‡‡	Beaver				.09	.21	.06		.10	.27		T.	T.		.06	.53		.03	.04	.16	.05	.08	.13	.36			.61	T.	.02				2.80
Pittsburgh***	Ohio			.06	.01	.35	T.		T.	.05	T.	.01		.04	.32	.15	.03	.01	.01	.04	.03	.10	1.16	.26		.22	.15	T.	T.				3.00
Punxsutawney‖‖	Allegheny																																
Ridgway	...do				.01	.07	.14		T.	.28	T.	T.			.02	.20	.10	.03	.02	T.	.16	T.	.16	.69	.03	T.	.60	.02	T.				2.53
Saltsburg‖‖	Conemaugh				.04	.10	.23			.15		T.			.07	.46		.05	T.		.01	.04		1.46	T.		.45	T.					3.06
Sharon‖‖	Beaver				.04	40	.11		T.	.21					.02	.60	T.	T.	.02	T.	.08	T.	.59	.50			.20	T.	T.				2.77
Smethport	Allegheny				T.	.10	.31	.02	.15	.10		T.				.51		T.	.10	.25	.15	T.	.17	.75			.30	T.	T.				2.91
Somerset	Youghiogheny			.01	.06	.22	.13			.09	.07	T.			.40	.12		.23	.01	.01	.15	T.	.80	.42	T.	.01	.24	.02					2.99
Springdale‖‖	Allegheny			T.	.02	.15	.22			.13		T.			.06	.40	.12	.05	T.	T.	.03	.03	.36	.68			.43	.08					2.76
Uniontown	Monongahela			.05	.12	.18	.04		T	.22	.03	T.			.28	.03		.20	.03		.07		.52	.65		.07	.67	.06					3.22
Unity Reservoir‡‡	Youghiogheny	T.		T.		.18	.10	T.	T.	.27					.22	.08		T.	.12	.15	.10		1.00	1.00		T.	.55	.10					3.87
Vandergrift‡	Conemaugh			.01		.25			.03					.03	.46	.16					.07	.21	1.30			.55		.03	.02				3.12
Warren	Allegheny			.15	.10	.30			.12	.04	.02	.03			.15	.16		.15	.15	.10	.05	.05	.08	.53		.46		.02	.04				2.70
Waynesburg	Monongahela				T.	.11				.53					.46	.11		.08		T.	T.		.46	.54			.21						2.50
Westford‖‖	Beaver				.14	.18	.14	.16	.14	.46	.07	.10	.08		.50			.05	.07	.10	.12	.19	.60	1.20	.70	.40	.45	.10	.03				5.98
West Newton‖‖	Youghiogheny				.06	.08	.15			.19					.02	.36			T.		.10	.03	.14	1.84			.40	.04					3.41
Lake Drainage.																																	
Erie***	Lake Erie		T.	.14	T.	.32			.15	.03	.01	T.		T.	.22	.26	.03	.03	.15	.16	.08	.04	.14	.26		.50	T.	T.	.08				2.60

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.06	30.67	1	29.55	18	13.7	38	se.	14	82	75	78	32
Harrisburg	30.06	30.76	1	29.53	3	7.8	25	w.	19	73	58	63	52
Philadelphia	30.07	30.77	1	29.51	3	13.5	31	n.	4	66	58	60	54
Pittsburgh	30.07	30.62	1	29.60	3	11.2	36	w.	19	78	69	74	29
Reading	30.07	30.78	1	29.53	3	11.4	39	w.	19	74	64	65	37
Scranton	30.04	30.77	1	29.49	3	7.2	24	nw.	19	79	67	68	46

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.6	5.7	10	2.3	25	18
Phillipsburg	Delaware	2.5	4.0	16	1.5	11	22
Lehighton	Lehigh						17
Wilkes-Barre	Susquehanna	5.0	7.4	28	3.4	14	20
Williamsport	Susquehanna	2.6	5.8	28	1.4	9	20
Harrisburg	Susquehanna						17
Greensboro	Monongahela	13.5	16.8	16	11.5	2	30
West Newton	Youghiogheny	4.0	6.4	11	1.8	22	20
Lock No. 4	Monongahela	14.6	18.5	24	12.0	3	30
Pittsburgh	Ohio		17.2*	27	11.2*	8	25
Beaver Dam	Ohio		18.3*	27	9.9*	4	30

*—Pool stage.

Daily Temperatures for February, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	23	40	40	30	25	22	28	34	43	34	35	33	37	37	46	50	42	39	43	40	37	36	33	40	54	44	28	32	....	....	....	36.6
	Minimum	−5	−5	17	25	16	6	−6	−5	24	30	27	15	16	22	31	33	33	26	29	28	19	20	29	21	24	28	14	10	....	....	....	18.6
Altoona	Maximum	28	46	42	33	29	30	25	31	41	34	29	40	37	35	56	48	37	33	39	32	34	29	30	49	49	47	19	26	....	....	....	36.0
	Minimum	3	21	30	17	19	7	−1	19	31	24	23	17	21	29	31	37	25	22	27	25	15	25	23	22	23	19	5	9	....	....	....	20.3
Bedford	Maximum	33	47	46	36	34	32	27	37	46	38	32	43	42	38	58	53	44	38	41	34	38	36	34	50	57	48	28	31	....	....	....	39.9
	Minimum	−2	16	34	20	20	13	−5	21	33	29	26	18	18	30	36	31	32	26	32	26	18	28	26	13	23	23	8	13	....	....	....	21.6
Bellefonte	Maximum	30	44	39	34	29	24	26	32	40	33	31	40	36	35	51	41	35	37	39	33	34	29	31	42	48	38	18	28	....	....	....	34.9
	Minimum	1	24	32	18	13	−8	−16	24	30	24	21	12	16	28	31	34	22	22	26	18	15	23	20	15	12	12	9	9	....	....	....	17.4
Brookville	Maximum	33	38	43	32	26	30	28	32	37	34	25	29	39	43	43	49	36	27	36	31	32	31	30	31	44	49	23	18	....	....	....	33.9
	Minimum	9	12	30	13	13	−7	−17	−7	26	21	22	4	8	13	32	34	25	19	25	23	1	10	23	−4	13	16	−1	−5	....	....	....	12.5
Butler	Maximum	35	40	38	32	30	28	30	33	35	33	31	40	40	44	52	52	40	40	31	32	30	32	35	31	50	50	20	....	....	....	....	36.4[a]
	Minimum	−5	24	15	14	20	4	−1	22	31	12	18	23	13	30	38	32	24	20	24	24	13	27	22	8	20	15	1	....	....	....	....	18.1[a]
Carlisle	Maximum	27	47	42	38	28	27	26	35	42	40	34	40	38	33	52	51	46	37	40	39	40	38	37	46	49	45	30	37	....	....	....	38.7
	Minimum	−12	10	34	25	20	11	−16	22	22	29	27	11	15	29	33	28	34	28	30	21	18	29	26	12	15	30	11	12	....	....	....	19.8
Catawissa	Maximum	30	45	44	37	30	28	34	35	38	35	39	38	41	36	51	50	43	39	41	38	36	38	35	46	55	44	27	33	....	....	....	38.8
	Minimum	−5	15	35	21	16	8	−11	23	32	28	26	11	18	30	34	34	32	25	30	23	12	26	25	14	24	25	14	10	....	....	....	20.5
Chambersburg	Maximum	27	47	45	38	31	28	25	32	41	42	38	40	38	36	60	53	44	38	44	38	40	38	40	50	58	45	30	34	....	....	....	40.0
	Minimum	−5	13	37	27	21	13	−5	20	31	30	27	20	19	31	31	32	33	29	34	28	19	30	26	20	23	30	12	15	....	....	....	22.9
Chambersville	Maximum	39	46	39	33	30	22	32	40	42	36	31	45	57	45	53	55	39	32	39	33	32	33	34	43	53	50	20	27	....	....	....	38.6
	Minimum	9	22	29	15	18	5	−4	22	32	23	22	15	16	33	34	34	23	20	25	24	13	25	21	14	27	15	−3	3	....	....	....	18.9
Claysville	Maximum	42	47	45	35	35	34	38	46	47	36	31	48	50	50	57	54	40	37	42	35	39	33	38	52	59	52	22	31	....	....	....	42.0
	Minimum	9	26	31	18	23	13	9	26	23	24	25	17	21	40	43	31	25	25	28	25	11	28	22	20	30	18	−1	9	....	....	....	22.2
Clearfield	Maximum	40	47	40	37	32	31	31	35	40	35	35	47	43	39	53	46	42	40	40	36	45	34	33	52	44	38	22	31	....	....	....	38.9
	Minimum	3	34	30	21	21	2	−7	17	18	15	12	10	16	30	32	25	24	20	22	21	21	20	14	25	12	19	6	6	....	....	....	17.5
Coatesville	Maximum	25	42	40	33	30	19	30	41	45	39	40	35	38	37	46	51	45	43	45	42	39	36	34	47	56	53	26	35	....	....	....	39.0
	Minimum	−5	12	33	25	17	7	−1	18	32	28	23	15	17	29	34	33	32	27	30	25	18	28	25	22	28	25	13	8	....	....	....	21.4
Corry	Maximum	38	37	35	30	27	18	34	35	38	29	29	38	41	40	47	48	31	30	33	28	30	30	30	36	43	41	20	28	....	....	....	33.7
	Minimum	1	24	27	26	4	8	11	17	25	23	18	0	11	31	36	30	15	15	19	15	2	19	16	8	26	5	4	8	....	....	....	15.9
Emporium	Maximum	36	43	41	36	30	26	27	36	41	34	32	40	38	36	51	45	36	32	39	32	34	30	32	46	41	44	18	28	....	....	....	35.9
	Minimum	−2	24	32	16	16	−7	−16	25	34	26	25	4	18	18	34	36	25	22	28	21	10	25	24	4	14	15	4	5	....	....	....	17.1
Erie	Maximum	35	34	34	22	28	18	31	40	37	27	31	31	40	42	51	37	30	35	36	29	33	28	25	44	47	21	18	30	....	....	....	32.6
	Minimum	15	29	20	13	8	1	13	27	25	23	20	16	22	37	37	30	20	24	23	14	15	19	20	22	21	7	6	18	....	....	....	19.5
Franklin	Maximum	30	44	40	43	42	26	33	42	35	27	31	40	45	48	45	51	35	41	36	30	31	34	37	45	49	24	19	33	....	....	....	37.0
	Minimum	10	16	20	10	15	−2	−7	−4	22	19	20	11	10	12	35	22	23	20	19	20	9	14	23	8	14	13	1	5	....	....	....	13.5
Freeland	Maximum	30	41	37	31	19	27	29	31	32	29	31	37	39	33	48	44	35	31	33	34	29	29	28	45	50	46	14	12	....	....	....	33.0
	Minimum	3	13	29	11	6	0	5	16	27	19	19	7	17	21	30	32	28	16	23	20	6	22	16	14	32	14	4	10	....	....	....	16.4
Gettysburg	Maximum	26	48	44	39	31	28	27	35	41	42	37	38	37	35	51	52	49	39	43	40	42	39	39	53	59	58	34	36	....	....	....	40.8
	Minimum	−6	10	35	26	20	14	−6	20	32	31	26	20	19	30	31	31	35	30	35	29	19	30	27	21	32	31	12	14	....	....	....	23.1
Greensburg	Maximum	40	47	42	33	32	40	37	43	43	35	31	46	55	46	56	54	40	35	41	36	32	31	35	47	58	48	24	28	....	....	....	40.5
	Minimum	13	27	31	17	23	11	13	27	33	16	25	21	22	36	33	35	26	15	26	24	12	28	25	20	32	17	2	10	....	....	....	22.5
Grove City	Maximum	34	41	41	32	31	30	32	37	40	33	30	39	41	42	47	45	36	35	33	32	32	28	28	43	48	46	17	27	....	....	....	35.7
	Minimum	10	25	19	12	21	1	6	20	28	18	22	20	19	35	40	33	21	20	23	18	11	24	21	17	36	9	2	10	....	....	....	19.7
Hamburg	Maximum	....	....	....	....	42	28	30	38	45	43	38	37	38	36	49	51	50	38	42	43	39	37	36	42	52	53	33	33	....	....	....	40.5[d]
	Minimum	....	....	....	....	18	12	−9	15	27	24	26	12	16	19	30	30	30	26	27	21	17	27	25	20	20	30	16	12	....	....	....	20.4[d]
Harrisburg	Maximum	25	45	43	38	28	23	26	34	41	38	36	38	37	37	53	50	43	39	40	38	40	34	36	46	50	51	23	33	....	....	....	38.0
	Minimum	1	15	37	24	18	2	−4	23	33	29	28	21	22	30	34	34	31	29	31	24	20	26	26	21	30	20	14	16	....	....	....	22.7
Hawley	Maximum	30	40	40	36	18	25	31	34	36	33	33	34	37	30	47	42	38	33	37	35	30	31	30	43	54	46	21	28	....	....	....	34.7
	Minimum	−19	10	34	15	4	−10	−18	13	30	28	22	−4	11	19	30	29	30	21	27	16	9	28	17	11	18	20	7	2	....	....	....	13.9
Huntingdon	Maximum	36	51	47	37	32	28	30	34	40	37	32	44	39	38	59	51	46	35	43	37	39	32	35	53	53	45	26	31	....	....	....	39.6
	Minimum	1	15	35	20	23	10	−9	25	32	28	24	13	17	32	32	31	28	27	32	26	19	27	26	8	12	25	10	10	....	....	....	20.7
Johnstown	Maximum	43	48	45	35	34	34	33	39	44	36	32	51	46	37	59	48	36	35	42	35	36	32	33	50	51	43	20	27	....	....	....	39.4
	Minimum	10	31	32	19	23	13	0	24	35	28	25	23	24	33	35	35	27	24	29	22	19	28	24	17	20	18	7	13	....	....	....	22.8
Lancaster	Maximum	23	46	44	41	31	29	25	36	38	42	37	36	39	36	43	45	47	43	44	36	41	41	34	47	55	57	35	32	....	....	....	39.4
	Minimum	−14	1	31	26	16	9	−17	12	32	29	22	12	14	26	32	25	32	27	34	22	19	29	21	10	24	32	13	9	....	....	....	18.9
Lawrenceville	Maximum	38	46	42	38	20	25	33	31	36	35	34	41	37	37	52	43	35	34	36	35	33	32	34	51	50	45	21	31	....	....	....	36.6
	Minimum	−5	20	32	15	8	−17	−17	20	31	23	22	−3	14	22	33	33	27	21	25	17	9	18	18	0	22	18	10	3	....	....	....	15.0
Lebanon	Maximum	29	44	39	41	27	23	28	36	40	36	35	37	37	36	52	51	44	38	41	40	38	32	33	48	58	40	34	35	....	....	....	38.3
	Minimum	−6	−3	14	25	19	12	−10	−6	26	28	26	17	19	24	32	29	32	27	31	28	17	23	26	15	19	34	14	14	....	....	....	18.8
Marcus Hook	Maximum	40	43	43	34	28	34	42	45	....	....	39	38	39	47	55	58	49	50	48	42	41	38	49	59	59	40	36	45	....	....	....	43.9[b]
	Minimum	20	27	29	21	13	11	24	34	....	....	23	24	31	37	33	38	31	36	34	23	31	29	28	32	39	17	17	25	....	....	....	27.2[b]
Meadville	Maximum	35	37	36	34	29	26	32	36	39	32	30	34	42	42	50	46	35	34	31	31	31	33	33	43	44	43	16	29	....	....	....	35.1
	Minimum	5	26	31	12	18	−2	−8	24	28	19	23	11	12	34	37	33	20	19	22	19	9	23	20	13	33	10	1	10	....	....	....	17.9
Mifflin	Maximum	29	54	48	39	35	30	29	35	42	42	39	41	41	39	54	55	47	41	40	40	40	39	38	52	55	49	37	35	....	....	....	41.6
	Minimum	−2	12	35	23	23	12	−6	25	32	28	27	16	18	30	31	33	32	27	31	23	19	29	26	18	14	30	12	14	....	....	....	21.9
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Muncy Valley	Maximum	25	42	....	32	27	28	25	31	37	35	34	31	37	35	46	42	38	31	34	38	30	30	32	37	45	42	24	30	....	....	....	34.0[a]
	Minimum	−10	7	....	16	6	−7	−12	21	28	22	24	1	11	23	31	28	28	20	28	15	2	24	28	4	22	22	10	−6	....	....	....	14.3[a]
Philadelphia	Maximum	27	41	41	37	24	25	35	40	46	39	38	35	40	48	44	54	45	43	45	43	38	36	36	48	60	57	28	34	....	....	....	40.2
	Minimum	8	18	34	23	16	13	16	28	34	31	29	21	28	31	36	38	33	31	35	28	21	29	29	27	33	21	17	15	....	....	....	25.8
Pittsburgh	Maximum	40	50	38	29	35	27	38	46	45	34	33	47	53	47	58	44	36	44	44	34	36	35	38	46	61	38	21	32	....	....	....	40.3
	Minimum	20	32	28	20	23	15	13	34	34	26	27	30	28	44	43	36	27	28	30	22	21	31	25	25	34	16	8	13	....	....	....	26.1
Quakertown	Maximum	23	41	39	38	24	19	21	39	45	39	36	33	37	35	45	49	44	39	42	40	35	36	32	41	53	50	30	32	....	....	....	37.0
	Minimum	−14	10	31	22	14	6	−18	9	32	29	22	8	13	23	34	29	30	25	33	25	17	28	24	20	28	30	13	7	....	....	....	18.9
Reading	Maximum	28	46	43	35	24	26	33	37	43	38	36	37	39	40	52	50	44	41	42	41	40	34	35	46	59	58	24	33	....	....	....	39.4
	Minimum	1	17	34	22	15	8	0	21	33	29	27	17	21	29	36	39	31	27	34	25	19	27	27	24	35	19	15	15	....	....	....	23.1
Ridgway	Maximum	40	43	34	32	30	26	34	41	34	26	30	42	38	45	48	38	35	38	30	30	31	31	31	43	51	26	18	28	....	....	....	34.8
	Minimum	2	4	30	11	10	−9	−10	−5	22	23	22	4	15	23	32	35	29	19	26	24	10	13	23	3	11	17	4	5	....	....	....	14.0
Scranton	Maximum	28	43	41	37	21	21	32	35	37	31	33	35	38	38	48	43	39	34	37	35	34	31	32	40	56	44	17	31	....	....	....	35.4
	Minimum	−1	19	36	13	13	3	−1	26	31	25	17	8	22	28	36	39	26	24	28	22	15	22	22	19	32	14	11	10	....	....	....	20.0
Selinsgrove	Maximum	26	47	46	39	29	28	29	34	38	34	36	37	38	38	50	49	43	36	39	40	36	38	35	44	47	45	34	32	....	....	....	38.1
	Minimum	−3	15	34	22	12	6	−11	22	30	28	26	14	20	28	31	33	31	25	32	26	17	25	25	9	25	30	13	10	....	....	....	20.5
Somerset	Maximum	40	43	39	31	31	30	26	42	41	32	25	46	44	37	52	47	40	30	37	27	30	30	31	48	60	50	15	25	....	....	....	36.8
	Minimum	−2	22	28	13	16	10	−14	20	32	22	20	8	15	29	32	29	24	20	25	20	12	26	20	16	10	15	−1	6	....	....	....	16.9
State College	Maximum	31	47	36	28	31	21	28	34	40	38	31	40	39	38	54	48	41	33	40	35	35	35	35	46	52	42	36	28	....	....	....	37.2
	Minimum	2	21	26	19	19	4	−6	20	30	25	22	14	17	27	30	33	27	21	30	24	14	26	22	17	28	28	6	8	....	....	....	19.8
Stroudsburg	Maximum	20	43	45	27	21	28	35	40	40	35	41	33	41	38	43	50	43	45	35	36	35	31	36	43	51	41	31	24	....	....	....	36.8
	Minimum	−18	−9	24	20	13	0	−12	−8	20	24	25	1	13	17	31	30	28	25	26	18	22	24	20	20	10	31	12	8	....	....	....	15.0
Towanda	Maximum	34	46	44	37	19	22	30	33	38	32	34	34	35	36	53	44	37	35	36	36	33	32	33	46	56	47	20	31	....	....	....	36.2
	Minimum	−6	14	25	12	8	−5	−15	25	31	24	16	1	16	25	32	34	27	24	23	22	13	23	22	6	30	14	7	−2	....	....	....	15.9
Uniontown	Maximum	44	46	42	34	36	36	40	46	46	35	30	51	52	44	61	53	44	36	43	34	34	35	42	55	66	54	21	31	....	....	....	42.5
	Minimum	21	31	33	20	25	19	16	31	35	30	27	18	24	40	41	32	30	26	33	29	16	32	27	25	29	21	1	10	....	....	....	25.8
Vandergrift	Maximum	36	48	41	30	33	27	36	44	43	35	34	44	51	42	60	46	37	46	46	37	35	34	36	46	58	43	24	33	....	....	....	40.2
	Minimum	11	29	29	18	19	12	0	28	35	27	26	23	17	39	39	26	25	27	29	22	18	28	28	20	23	13	4	14	....	....	....	22.8
Warren	Maximum	27	32	36	32	30	20	25	40	40	30	26	28	42	42	45	40	30	30	32	26	25	32	35	45	46	46	14	21	....	....	....	32.8
	Minimum	7	24	27	15	16	−8	−6	21	30	26	15	4	22	32	35	30	24	22	22	18	12	24	26	12	31	10	0	10	....	....	....	18.0
Waynesburg	Maximum	43	48	48	35	35	33	40	48	47	47	30	51	53	50	58	55	42	38	43	36	34	34	39	51	65	54	23	32	....	....	....	43.3
	Minimum	22	29	32	19	24	15	9	30	35	26	26	18	21	42	38	31	28	26	30	26	11	31	24	24	28	19	0	11	....	....	....	24.1
Wellsboro	Maximum	35	44	42	35	19	17	28	33	36	31	32	41	34	34	49	44	36	32	36	30	34	28	34	53	52	41	29	30	....	....	....	35.3
	Minimum	−6	20	35	12	9	−12	−20	20	29	10	17	−3	10	25	30	34	22	18	20	15	6	17	18	5	20	20	7	2	....	....	....	13.6
Williamsport	Maximum	24	45	43	37	27	21	27	33	41	40	34	34	36	34	43	41	41	35	36	37	37	35	33	32	44	44	27	28	....	....	....	35.4
	Minimum	−1	13	35	20	16	4	−6	25	32	27	27	10	16	29	33	32	31	24	31	25	16	27	24	15	26	27	14	12	....	....	....	20.9
Williamstown	Maximum	29	45	46	40	29	27	31	35	39	39	36	40	38	41	39	43	55	51	38	37	35	34	31	44	54	47	38	30	....	....	....	39.0
	Minimum	5	15	31	18	16	6	9	21	21	24	21	22	16	19	26	25	30	21	30	23	13	25	21	13	38	32	9	9	....	....	....	20.0
York	Maximum	29	46	41	36	30	30	30	40	45	38	36	40	37	35	56	51	46	43	45	40	41	38	37	54	65	59	33	36	....	....	....	41.3
	Minimum	−12	6	35	28	19	13	−14	13	30	31	27	16	16	31	31	27	35	30	34	27	19	30	23	16	34	32	17	12	....	....	....	21.8

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XL. MARCH, 1935. No. 3.

GENERAL SUMMARY.

March as a whole was comparatively mild and pleasant, and without much of the blustery weather that usually characterizes the month. The precipitation averaged nearly twenty-five per cent below the normal, and the snowfall was light in the greater portion of the State. The heaviest snows occurred in the northeastern counties, although the precipitation as a whole was heaviest in the southwest. The snows occurred chiefly during the second week, and melted quickly. There was practically no snow cover on the fields during the last half of the month, but frost did not penetrate the ground deeply, and a snow cover was not essential for protection of the winter grains. The distribution of precipitation followed the tendency of the year to date, since the greatest deficiencies have accumulated in the eastern half of the State, while the southwestern counties have received nearly their full quota. Moderately heavy rains and melting snows brought the streams of the southwest above bankful stages on the 13th. Temperature changes, as a rule, were not frequent or rapid, and there were no unusual extremes. Most of the temperature excess accumulated during two warm periods, the first prevailing during the first week, and the second from the 20th to 24th inclusive, although maximum temperatures for the month were recorded at most stations on a single warm day, the 16th. The excessive heat on the 16th was followed by strong winds in all parts of the State on the 17th. The winds were strong enough to do minor damage in some places, and constituted the only wind storm of consequence during the month. Dust clouds were recorded at several stations on the 21st, and at a few places on other dates. It is believed that there was nothing unusual in the occurrence, and that the notations were prompted chiefly by the general interest that had been aroused at that time by the severe dust storms in the west. Dense fogs occurred at most stations on three or four dates, which is not unusual. Sunshine averaged about fifty per cent of possible. Outdoor work generally made fair progress during the month. The winter grains came through in good condition, and at the end of the month they were generally rated the highest for several years, Conditions were also mostly favorable for orchards.

TEMPERATURE.

The mean temperature for the State, as deduced from the observations taken at 92 stations, was 42.8°, which is 5.1° above the March normal. The highest monthly mean was 49.4°, at Uniontown, and the lowest was 32.1° at Gouldsboro. Extremes for the month ranged from a maximum of 83° at Mifflin and Phœnixville on the 16th to a minimum of —6° at Gouldsboro on the 9th. The greatest daily range in temperature was 58° at Stroudsburg on the 16th.

PRECIPITATION.

The average precipitation for the State, as deduced from the reports taken at 143 well-distributed stations, was 2.62 inches, which is 0.82 inch less than the monthly normal. The greatest monthly amount was 4.49 inches at Greensburg, while the least amount was 1.22 inches at Gratersford. The greatest amount recorded in any 24 consecutive hours was 1.42 inches at Hamburg on the 12-13th. Snowfall for the month averaged 2.9 inches, which amount is 4.8 inches below the March normal. The greatest monthly amount of snow was 13.1 inches at Pleasant Mount. The greatest 24-hour snowfall was 6.0 inches at Lakeville and Freeland on the 13th.

COMPARATIVE DATA FOR MARCH

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888........	31.2	−6.5	72	−6	3.55	+0.11	6.39	1.70	9.9	11	6	10	15
1889........	39.0	+1.3	76	4	2.90	−0.54	5.44	1.44	3.1	9	10	8	13
1890........	33.2	−4.5	76	−21	5.15	+1.71	8.31	2.90	17.5	16	6	10	15
1891........	33.8	−3.9	60	−14	5.10	+1.66	8.39	2.44	15.8	14	7	8	16
1892........	31.8	−5.9	66	−4	4.14	+0.70	6.61	2.04	18.8	12	11	7	13
1893........	34.8	−2.9	74	3	2.52	−0.92	5.09	0.71	4.8	11	9	9	13
1894........	43.2	+5.5	84	−2	1.63	−1.81	2.90	0.24	1.3	8	12	11	8
1895........	33.8	−3.9	70	−4	2.31	−1.13	4.03	0.99	9.0	11	10	10	11
1896........	30.6	−7.1	69	−18	4.51	+1.07	7.98	1.77	21.1	11	11	8	12
1897........	39.0	+1.3	75	−5	3.22	−0.22	5.86	1.01	3.4	13	11	7	13
1898........	44.0	+6.3	83	4	4.31	+0.87	8.40	2.06	3.6	12	10	8	13
1899........	36.3	−1.4	75	3	4.87	+1.43	10.30	1.91	7.9	14	5	9	17
1900........	31.2	−6.5	66	−23	3.61	+0.17	7.31	2.25	13.1	10	10	9	12
1901........	37.4	−0.3	80	−11	4.14	+0.70	7.21	1.52	3.3	13	7	10	14
1902........	41.3	+3.6	78	2	3.98	+0.54	7.50	0.77	12.6	11	10	9	12
1903........	46.4	+8.7	83	14	4.52	+1.08	5.81	2.82	0.1	11	10	7	14
1904........	36.0	−1.7	80	−2	4.29	+0.85	7.02	2.10	4.7	12	9	8	14
1905........	39.0	+1.3	86	−18	3.86	+0.42	6.57	1.40	4.1	11	12	8	11
1906........	31.7	−6.0	68	−13	4.46	+1.02	7.37	2.76	20.4	14	8	7	16
1907........	41.8	+4.1	92	−10	4.26	+0.82	8.20	1.08	9.3	12	11	8	12
1908........	40.7	+3.0	83	−4	4.76	+1.32	10.00	1.58	3.7	12	11	8	12
1909........	35.6	−2.1	74	−5	3.07	−0.37	4.90	1.33	7.3	12	10	9	12
1910........	44.9	+7.2	88	5	0.56	−2.88	1.33	0.00	1.0	5	15	10	6
1911........	35.0	−2.7	73	−18	2.57	−0.87	4.75	1.15	10.1	13	11	8	12
1912........	33.6	−4.1	72	−8	5.05	+1.61	9.71	1.80	6.9	13	10	8	13
1913........	42.1	+4.4	81	−7	5.27	+1.83	9.08	2.75	2.1	13	9	8	14
1914........	34.2	−3.5	79	−12	2.61	−0.83	5.05	0.88	13.4	10	10	8	13
1915........	32.9	−4.8	62	−4	1.28	−2.16	2.80	0.57	9.5	7	15	8	8
1916........	30.7	−7.0	84	−31	4.12	+0.68	8.84	2.20	17.6	12	12	8	11
1917........	37.3	−0.4	84	−12	3.68	+0.24	6.06	1.43	12.7	14	11	8	12
1918........	41.6	+3.9	82	0	2.34	−1.10	4.98	0.87	1.5	8	17	7	7
1919........	41.1	+3.4	79	6	3.57	+0.13.	6.99	1.29	2.4	10	15	7	9
1920........	38.7	+1.0	80	−11	2.83	−0.61	9.70	1.06	6.4	9	16	7	8
1921........	48.0	+10.3	88	7	3.33	−0.11	6.15	1.05	1.0	14	12	9	10
1922........	40.0	+2.3	81	−5	4.37	+0.93	6.65	2.30	6.1	14	11	6	14
1923........	37.0	−0.7	80	−8	2.49	−0.95	5.21	0.70	6.2	11	13	8	10
1924........	36.1	−1.6	78	3	2.83	−0.61	8.97	0.59	10.3	9	12	9	10
1925........	40.9	+3.2	79	−15	2.56	−0.88	4.13	1.47	2.2	10	14	6	11
1926........	33.1	−4.6	79	−16	1.91	−1.53	3.94	0.58	4.0	10	14	8	9
1927........	42.0	+4.3	82	−6	2.61	−0.83	5.43	0.69	0.7	10	13	7	11
1928........	37.0	−0.7	82	−3	3.24	−0.20	5.45	1.65	14.5	11	12	9	10
1929........	43.7	+6.0	89	−5	2.69	−0.75	4.50	1.37	4.4	12	12	8	11
1930........	37.9	+0.2	78	−9	3.03	−0.41	5.05	1.04	4.9	10	13	7	11
1931........	36.3	−1.4	69	10	2.96	−0.48	5.72	0.70	6.6	11	8	7	16
1932........	33.4	−4.3	72	−8	4.41	+0.97	7.46	1.63	14.7	11	10	8	13
1933........	36.6	−1.1	79	−7	5.33	+1.89	8.95	2.74	5.6	14	8	7	16
1934........	34.9	−2.8	78	−22	2.96	−0.48	5.31	1.13	7.7	12	12	7	12
1935........	42.8	+5.1	83	−6	2.62	−0.82	4.49	1.22	2.9	12	11	7	13
Period.....	37.7	....	92	−31	3.44	....	10.30	0.00	7.7	11	11	8	12

W. B. O. Philadelphia-4-29-35-1050.

Climatological Data for March, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	40.4	+2.1	76	6†	14	1	47	2.63	−0.59	0.60	3.0	8	18	5	8	ne.	John A. Frick.
Altoona	Blair	1,615	48	42.0	+4.2	77	16	10	18	38	2.32	−0.40	0.43	T.	10	14	11	6	w.	John J. Martin.
Ardmore	Montgomery	350	3	44.2	+1.9	77	16	16	1	45	2.29	−1.24	0.90	1.6	12	10	4	17	......	H. L. Balderston.
Arendtsville	Adams	700	13	41.8	+2.3	76	16	15	9	47	2.71	−0.76	0.51	3.3	10	15	5	11	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	45.7	....	80	16	11	9	44	2.34	....	0.50	3.0	12	13	1	17	sw.	Charles C. Lee.
Bellefonte	Center	1,050	27	38.7	−1.4	75	16	7	9	45	2.05	−1.37	0.40	4.7	15	7	8	16	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	50	44.5	+3.9	78	16	18	19	43	3.17	−0.24	0.81	0.5	14	15	3	13	nw.	Lehigh University.
Carlisle	Cumberland	467	69	46.0	+7.6	78	16	20	1	46	3.10	−0.28	0.47	4.5	15	16	2	13	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	42.4	+4.0	78	16	12	1†	41	2.35	−0.54	0.58	4.3	14	15	3	13	......	W. L. Gearhart.
Center Hall	Center	1,272	39	37.6	+1.0	73	16	4	9	40	2.08	−0.97	0.40	5.5	12	17	5	9	......	S. W. Smith.
Chambersburg	Franklin	580	36	46.1	+6.6	79	16	16	9	43	2.85	−0.14	0.68	2.8	13	10	7	14	sw.	William B. Spear.
Clearfield	Clearfield	1,120	28	41.5	+3.6	75	16	9	9	55	2.84	−0.54	0.51	2.0	12	3	12	16	w.	E. W. Hess.
Coatesville	Chester	380	48	43.8	+3.8	75	16	15	1	42	2.53	−1.55	0.76	1.0	13	11	2	18	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	41.6	+1.5	77	16	11	9	43	3.36	−0.10	1.01	4.0	14	14	3	14	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	39.6	+4.2	71	16	4	9	42	3.43	−0.19	0.61	3.5	14	10	8	13	e.	T. B. Lloyd.
Ephrata	Lancaster	380	43	44.8	+4.8	79	16	16	1	43	2.10	−1.29	0.51	1.6	12	15	2	14	s.	Ira J. Keath.
Freeland	Luzerne	1,970	42	36.7	+3.8	69	16	8	1†	36	2.97	−0.60	1.16	9.5	12	9	9	13	nw.	Theo. Reichmann.
George School	Bucks	190	29	44.0	+3.3	75	16	18	8	43	2.64	−0.53	0.74	1.2	12	17	2	12	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	47.0	+6.9	77	16	18	9	34	2.63	−0.51	0.47	2.0	14	13	4	14	s.	Dr Henry Stewart
Gordon	Schuylkill	840	31	40.8	+3.9	76	17	7	9	44	3.52	−0.30	0.92	8.0	13	13	7	11	ne.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	32.8	+1.8	58	16	−6	9	38	2.03	−1.01	0.55	5.5	7	17	4	10	w.	Ronald H. Marshall.
Hamburg	Berks	535	42	43.2	+4.8	76	16†	14	9	48	3.02	−0.78	1.42	......	8	14	7	10	w.	State Sanatorium.
Hanover	York	600	31	47.6	+5.1	80	16	18	9	34	3.08	+0.02	0.62	6.0	15	12	5	14	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	44.4	+5.5	76	16	18	9	38	2.80	−0.24	0.74	4.3	13	8	11	12	w.	U. S. Weather Bureau.
Hawley	Wayne	900	17	36.6	+1.1	70	16	−1	9	45	1.96	−0.82	0.46	10.0	8	15	8	8	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	43.6	+1.6	66	6	22	1	27	2.31	−0.35	0.63	1.5	11	10	8	13	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	42.8[b]	+3.9	73[c]	21	11	9	45[c]	2.42	−0.93	0.51	2.5	11	14	6	11	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	46.6	+6.2	82	16	13	9	48	2.33	−0.66	0.49	3.5	13	11	7	13	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	39.7	....	73	16	5	9	46	2.10	....	0.46	1.5	10	11	8	12	sw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	48	44.1	+4.4	74	17†	13	1	42	2.42	−0.91	0.94	1.5	12	16	5	10	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	37.7	+2.9	73	16	−5	9	45	2.07	−0.24	0.65	7.0	11	11	7	13	......	C. P. Darling.
Lebanon	Lebanon	469	51	42.9	+3.5	80	16	18	1†	48	2.47	−1.09	0.47	3.0	13	15	5	11	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	42.6[a]	+4.0	77[a]	16	10[a]	9	46[a]	2.87	−0.48	0.89	4.5	14	10	10	11	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	8	48.8	....	78[a]	16	21[a]	8	35[a]	2.42	....	1.13	0.5	11	15	1	15	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	38.4	+1.0	76	16	9	1†	47	2.30	−1.89	0.55	6.0	13	13	4	14	w.	R. K. Wintermute.
Mifflin	Juniata	445	31	45.0	+5.8	83	16	12	9	52	1.86	−1.02	0.60	3.1	9	12	6	13	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	31	.....	....	....	....	....	....	.....	....	....	....	....	....	....	....	....	.....	Vacant.
Mt. Pocono	Monroe	1,720	29	35.6	+3.4	70	16	0	9	38	2.03	−1.50	0.52	8.0	10	12	4	15	w.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	23	36.2[b]	+0.5	71[b]	16	1[b]	1	41[b]	2.37	−0.16	0.57	6.0	11	13	7	11	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	42.4	+3.0	72	6	8	1	41	2.54	−0.23	0.94	T.	10	12	2	17	ne.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	40.2	....	75	16	12	9	39	2.27	−0.32	0.58	3.1	12	14	10	7	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	46.2	+5.4	75	16	23	9	36	2.11	−1.28	0.97	0.6	13	10	4	17	sw.	U. S. Weather Bureau.
Philadelphia-Gtn.	Philadelphia	113	10	46.4	+7.6	77	16	23	1†	41	2.18	−0.85	0.58	0.7	12	10	7	14	......	Julius Bernstein.
Phila. Navy Yard	Philadelphia	12	19	45.6	+3.3	75	16	21	9	39	2.37	−0.75	0.57	2.1	14	7	8	16	sw.	Commandant, Navy Yard.
Phœnixville	Chester	100	25	46.0	+5.2	83	16	13	1	53	2.18	−1.13	0.55	1.6	8	11	9	11	sw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	50	42.2	+4.9	75	16	9	1	44	2.46	−1.07	1.09	2.8	12	11	7	13	nw.	John E. Benner.
Reading	Berks	514	65	44.6	+4.6	79	16	19	9	42	2.09	−1.43	0.67	3.2	12	9	8	14	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	40.8	....	74	16	7	9	43	3.07	....	0.46	6.0	15	6	11	14	ne.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	39.6	+3.9	73	16	10	9	37	2.02	−1.18	0.60	5.8	13	6	9	16	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	45	44.0	+5.5	75	16	12	9	39	2.24	−1.32	0.60	2.0	10	9	11	11	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	45.6	+5.3	74	16†	17	1	41	2.09	−1.32	0.42	2.0	14	9	7	15	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	45.6	....	78	16	16	9	43	3.49	....	0.61	4.5	14	11	3	17	sw.	State Teachers College
State College	Center	1,217	51	41.6	+5.5	77	16	9	9	40	2.68	−0.50	0.49	3.1	15	9	14	8	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	38.8	+2.0	74	16	4	14	58	3.06	−0.59	0.72	7.4	9	15	7	8	n.	State Normal School.
Towanda	Bradford	754	41	37.6	+2.5	73	16	0	9	38	1.95	−0.61	0.48	6.3	14	8	10	13	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	36.1	+3.1	74	16	−4	9	47	1.57	−1.50	0.36	6.5	11	18	4	9	nw.	George W. Hill.
West Chester	Chester	455	86	45.1[a]	+6.2	75[a]	16	18[a]	9	42[a]	3.07	−0.83	0.65	2.0	10	11	7	13	sw.	Joseph W. Belt.
Williamsport	Lycoming	521	49	40.2	+2.6	76	17	11	9	41	2.25	−0.95	0.62	4.0	15	11	6	14	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	42.6[c]	+3.1	75[c]	16†	12[c]	10	51[c]	1.78	−1.01	0.48	5.0	8	13	7	11	sw.	Susquehanna Collieries Co.
York	York	400	47	46.8	+6.2	82	16	16	9	41	2.74	−0.42	0.61	T.	14	13	6	12	s.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	46.4	+5.2	75	16	19	9	40	2.18	−1.17	0.72	T.	14	6	6	19	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	37.8	+4.0	75	17	5	9	44	2.43	−0.65	0.60	3.2	11	11	8	12	......	Frank S. Fawcett.
Butler	Butler	1,077	22	.....	....	....	....	....	....	.....	....	....	....	....	....	....	....	....	......	William C. Faust.
Chambersville	Indiana	1,047	5	43.9	+4.9	76	16	11	9†	45	3.26	−0.48	0.88	2.7	12	11	5	15	w.	John E. Lewis.
Clairton	Allegheny	1,020	3	45.3	....	80	16	15	9	47	3.13	....	1.25	0.5	8	6	8	17	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	48.0	+6.6	78	16	15	9	48	3.57	+0.24	1.00	1.0	13	16	6	9	s.	J. L. Melvin.
Corry	Erie	1,430	22	38.8	+6.0	70	16	6	9	45	2.71	−0.63	0.55	2.8	13	15	9	7	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	47.1	+6.9	78	16	15	9	47	4.30	+0.42	0.89	T.	10	13	8	10	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	18	42.0	+5.5	73	16	10	9	41	3.30	+0.64	0.79	3.0	9	15	9	7	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	41.2	+3.9	76	16	7	9	47	1.84	−1.42	0.36	4.0	9	16	2	13	w.	J. S. Stevanus.
Franklin	Venango	957	61	40.2	+4.2	77	16	9	9	47	1.87	−1.56	0.36	1.0	11	8	0	23	sw.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	26	46.0	+5.7	76	16	14	9	42	4.49	+1.42	0.92	2.1	13	12	6	13	sw.	Westmoreland Water Co.
Greenville	Mercer	950	39	43.8	+7.1	74	16	13	18	46	1.96	−1.54	0.40	0.3	11	14	5	12	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	43.8	+6.2	73	16	14	9	42	2.10	−1.06	0.44	1.2	11	4	11	16	se.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	53	45.9	+6.5	79	16	15	9	45	3.32	-0.71	0.64	2.7	15	13	7	11	s.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	37.4	....	65	16	3	9	45	3.13	....	0.63	3.5	15	11	6	14	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	46.6	+6.7	77	16	14	9	45	4.38	+0.65	1.12	3.5	12	3	16	12	sw.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	42.6	+7.7	72	16	14	9	42	2.20	−1.10	0.33	T.	13	12	5	14	s.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	45.6	....	76	16	19	9	38	3.47	....	1.04	0.5	9	13	2	16	se.	Fred Hoffman.
New Castle	Lawrence	808	55	42.2	+5.1	77	17	14	18	41	2.08	−0.83	0.49	0.9	15	7	14	10	sw.	New Castle Water Co.
Newell	Fayette	800	15	41.9	−1.1	70	17†	14	9	42	3.38	+0.27	0.80	T.	12	4	15	12	ne.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	47.6	+8.0	77	16	23	9	36	3.04	+0.01	0.92	1.1	12	6	6	19	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	38.8	+4.0	76	16	5	9	48	2.95	−0.15	0.72	2.5	15	7	8	16	se.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	42.2	+4.6	73	16	15	18	48	1.61	−1.06	0.49	0.9	12	5	15	11	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	42.0	+6.0	75	16	9	9	54	3.36	−0.91	0.63	4.4	14	6	9	16	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	49.4	+7.9	79	16	20	9	46	3.88	0.00	1.17	3.0	15	11	9	11	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	45.2	+4.4	79	16	16	18	44	2.62	−0.25	1.30	.....	9	17	9	5	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	39.3	+3.7	65	16†	10	9	35	1.92	−1.21	0.35	3.0	15	11	5	15	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	48.6	....	77	16	16	9	46	3.31	....	0.86	T.	11	6	10	15	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	39.7	+6.2	72	16	14	9	38	2.21	−0.41	0.44	5.5	15	6	12	13	ne.	U. S. Weather Bureau.
For the State	......	......	....	42.8	+5.1	83	16	−6	9	58	2.62	−0.82	1.42	2.9	12	11	7	13	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for March, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh								.22	T.		.11	.60	.47	T.	.03	T.					.59		T.	.23					.38			2.63
Altoona	Juniata					T.		.06			.30	.24	.43	.28	.02					.27		.18		.32					.22			T.	2.32
Ausonia‖‖	W. Br. Susq	T.					.03		.29			.06	.17	.06	.07	T.					.03	.32			.03				.16	.30	.26		1.78
Ardmore	Lower Del					.02			.06		.12	.16	.90	.18	.03					.04	.02	.24		.05					.47				2.29
Arendtsville	Lower Susq					.06		T.	.19			.38	.51	.50	T.						.01	.30		.33			.12		.31				2.71
Baker's Summit	Juniata			.02			.18				.25	.10	.35	.22	.07					.28		.31		.36					.28			.05	2.47
Bedford	Juniata					.04		.08	T.		.20	.25	.30		.17			T.		.15		.50		.27	.13	.03			.22			T.	2.34
Bellefonte***	W. Br. Susq	T.		.01	T.	.06		.19	.02		.10	.21	.31	.06	.04	T		T.		.20	.07	.13		.37					.25			.03	2.05
Bethlehem	Lehigh					T.	T	.17	.07		.01	.11	.81	.38	.03	.01				.06	.03	.63		.43					.39	.04		T.	3.17
Bloserville‡‡	Lower Susq					.05		.10			.20	.25	1.10	.10	.10					.10			.40	.32		.05		.02	.62			.10	3.51
Buffalo Mills	Juniata								.05			.36	.20	.29							.08	.11	.17	.10	.27		.16			.20			1.99
Carlisle	Lower Susq					.16		.12	.17	.25	.25	.05	.35	.33	.07			T.		.08		.29		.47		.05			.41			.05	3.10
Catawissa‡	N. Br. Susq					.02		.25	.10		.15	.08	.07	.20	.12					.13		.58	.07	.03					.45			.10	2.35
Center Hall	Susquehanna						.18		.08	.18		.08	.04	.38	.40	.10				.14		.21		.28								.01	2.08
Chambersburg	Potomac					.06		.06	.07		.35	.23	.46	.27	.06					T.		.68		.18		.09			.31			.03	2.85
Clearfield	W. Br. Susq		.04			.06		T.			.40	.19	.47	.10	.10			.08		.22		.26		.51					.38			.03	2.84
Coatesville	Lower Del					.02		.23	.03		.16	.07	.76	.23	.05					.01		.24		.19					.52			.02	2.53
Colebrook	Lower Susq					.01	.01	.09	.03		.29	.19	1.01	.29	.10			T.		.11		.21		.56					.36			.10	3.36
Conshohocken	Schuylkill																																
Cresson‡	Juniata																																
Doylestown	Lower Del							.13	.01		T.	.09	.47	.48	.01					.05		.36		.01					.35			.04	2.00
Emporium	W. Br. Susq				.06	.11		.16	.15		.25	.31	.07	T.	.20	T.		.15		.19		.61		.41					.60	T.		.16	3.43
Ephrata	Lower Susq					T.		.14	.03		.09	.15	.51	.32	.06	T.				.06		.19		.21					.30			.04	2.10
Forest City	N. Br. Susq						T		.29					.32	T.					.16		.55			.13				.11	.72			2.28
Freeland‖‖	Lehigh		T.				.02		.25			.22	.65	.51	T.	.11			T		.04	.41	.04	.01	.18					.53			2.97
Galeton	W. Br. Susq					.07		.24	.15		.15	.24			.12			.08		.09				.38					.67		.30		2.49
George School	Lower Del		.04			T.		.09	.03		T.	.07	.45	.74	T.					.12		.34		.23		T.			.46	.04	T.	.03	2.64
Gettysburg	Potomac					.02		.05	.09		.12	.15	.45	.47	.04			T.		.02		.38		.35		.16	T.		.31			.02	2.63
Girardville‖‖	Lower Susq					.01		.30			.41	.45	.54		.11					.23		.51		.27					.52			.09	3.44
Gordon	Lower Susq					.08		.11	.07		.08	.21	.46	.37	.08					.18		.32		.92					.52			.12	3.52
Gouldsboro‖	Lehigh								.10	.05		.35	.40									.50			.08					.55			2.03
Graterford	Schuylkill					.03		T.	.02			.07	.18	.41	.02					.03		.11		.03					.28			.04	1.22
Hamburg	Schuylkill							.20				.10		1.42						.10		.40		.20					.50			.10	3.02
Hanover	Lower Susq					.04		.02	.10		.16	.14	.45	.62	.09					.03		.55		.25		.16	.01		.36			.10	3.08
Harrisburg***	Lower Susq					.05		.13	.10		.22	.16	.70	.06	.08			T.		.08		.22		.32		T.			.58			.10	2.80
Hawley‖‖	Upper Del								.41	.02		.06	.09	.45		T.					.04	.43	T.		T.					.46	T.	T	1.96
Hollisterville	Upper Del	T.				T			.41			.11	.20	.43		.01					.10	.35								.43			2.04
Holtwood‖	Lower Susq						.05		.14		.20	.10	.63	.22	.05							.41		.24		.04				.23			2.31
Huntingdon	Juniata					.10		T.	.14		.25		.51	.26	.06		T.	T.	T.	.24		.25		.27					.28			.06	2.42
Hyndman	Potomac			.04				.11			.14	.17	.32	.17	.22					.08		.49		.11	.10	T.			.29			.09	2.33
Kylertown	W. B. Susq							.14	.13		.18	.12	.46	.10						.17				.37					.41			.02	2.10
Lakeville‖‖	Upper Del						.14	T.	.45	T.		.09	.12	.45	T						.28	.32			.04					.40			2.29
Lancaster	Lower Susq					.02		.13	.07			.21	.94		.09					*		.27		.36		.01			.30			.02	2.42
Lansford‖‖	Lehigh						T.		.31	T.		.21	.38	.45		.08	T				.14	.49	T.	.05	.13					.48			2.72
Lawrenceville	N. Br. Susq					T.		.15	.05		.10	T.	.05	.05	.05	.05				T.		.25		T.	.20				.47		.65	T.	2.07
Lebanon	Lower Susq					.03		.17	T.		.26	.46	.44	.04	.02			T.		.13	.34		.10	.02					.36			.10	2.47
Lock Haven	W. Br. Susq				.02	.10		.13	.28		.16	.07	.28	.12	.08	T.				.16	.02	.89		.16					.40				2.87
Marcus Hook	Lower Del					.03	.02		.12			.26	T.	1.13	.01			T.		.03		.21		.02	T.	T.				.58		.01	2.42
Matamoras‖‖	Upper Del								.32			.10	.34	.44								.39								.41			2.00
Mauch Chunk	Lehigh							.13	.05		.05	.05	.55	.11	.03					.07	.03	.48		19					.50			.06	2.30
Mifflin	Juniata					T		T.			.10	.50	.27	.11	.10					.21		.22		.21					.14			T.	1.86
Montrose	N. Br. Susq																																
Morris Run	N. Br. Susq							.25	.19		.05			.28	.10					.06		.31							.45		.12		1.81
Mount Pocono	Upper Del				T.	T.		.36	T.		T.	.06	.20	.52	.01			T.	T.	.03		.26		.10	.19				.30			T.	2.03
Muncy Valley	W. Br. Susq				T.			T.	.29		.11	.12	.30	.12	.12	T.		T.		.11		.53		.07			.57					.03	2.37
Neshaminy‖‖	Lower Del					T.		.05			.06	.11	.94	.05	T.					.11		.43		.12					.64			.03	2.54
New Park	Lower Susq					.08			.13		.12	.25	.70	.53	.08					.02	.20	.53				.22			.28			.05	3.19
Newport‖‖	Juniata						.08		.13	.03		.32	.40	.35	.08	T.			T.		.16	.30		.15	.02				T	.55			2.57
Palmerton‡	Lehigh				T	T.		.12	.01		.06	.09	.58	.01	.01					.12		.51		.23					.50			.03	2.27
Paupack‖‖	Upper Del								.40			.10	.10	.40	T.						.02	.47											1.49
Philadelphia***	Lower Del					.02	T.	.08	.01		.05	.11	.90	.09	.02			T.		.06	T.	.24		.03		T.			.48			.02	2.11
Philadelphia-Gtn	....do					.01		.13	T.		.07	.09	.58	.41	.03			T		.07		.25		.03		T.			.49			.02	2.18
Phila. Navy Yard‖‖	....do						.01	T.	.09	.01		.22	.57	.24	.02	.01			T.		.56	.14	.05	T.	.03		.01			.41			2.37
Phila-P'nt Breeze.‡	Lower Del					.04		*	.09		.09	*	.60	.53	.02			T.		.07		.20		.03		T.			.51			.01	2.19
Phoenixville	Schuylkill					T.		.13	T.			.11	.51	.55	.01					T.		.34		T.					.45	.08		T.	2.18
Pine Grove	Lower Susq					.03		.05	.06		.20	.30	.61	.08	.07					.19		.50		.15					.55			.08	2.87
Pleasant Mount	Upper Del					.15		.43			.52		.41		.25							.58		.06					.68	.24			3.32
Pottstown	Schuylkill							.05	.03		.07	.30	.50	.25	.01	T.				.05		.39		.01		.01			.30			.04	2.01
Pottsville	Schuylkill					.03		.13	.08		.03	.20	.52	.38	.06	T.		T		.13	.05	.32		.19					.55	.01		.06	2.74
Quakertown	Lower Del							.16	.11		.03	.13	.64	.45	.02					.05		.38		.07					.41			.01	2.46
Reading***	Schuylkill				T.	T.	T.	.06	.04		.06	.30	.58	.24	.02	T.				.06		.36		.02		T.			.32			.03	2.09
Renovo.‖‖	W. Br. Susq	T.				.10	.04		.33			.20	.32		.06	.01		.02			.10			.10	.02				.10	.33			1.73
Retreat	N. Br. Susq				.46	.05		.22	.02		.21	.06	.35	.19	.11	.03				.09		.46		.15					.62			.05	3.07
Scranton***	....do	T.			T.	.01		.17	.06		.09	.07	.33	.13	.01	.01		T.	T.	.08		.39		.07					.60		T.	T.	2.02
Selinsgrove	Lower Susq					.03			.20		.10	.11	.30	.24	T.					.13				.60					.45			.08	2.24
Shawmont	Schuylkill					.03		.13	.03		.01	.19	.34	.42	.01					.03	.01	.31		.20					.36	.02			2.09
Shippensburg	Lower Susq					.13		.15	.08	T.	.38	.27	.49	.30	.09					.03	T.	.40		.61		.08			.45			.03	3.49
Snow Hill‡‡	Upper Del							.11			.08	.48	.42							.04		.49							.65				2.27
State College	W. Br. Susq		T.	.07	T.	.09	T.	.18	.18		.12	.12	.40	.15	.08			.02		.24	T.	.49		.16					.34			.04	2.68
Stroudsburg‖‖	Upper Del								.13			.50	.35	.32							.72			.20	.32						*	.52	3.06
Sunbury	Lower Susq					T.	.14		.24	.03		.25	.46	.41	.12	.04					.23	.22		.22	.50					.45			3.31
Susquehanna	N. Br. Susq					T.	T.		.51			.10	.19	.17	T.	.07			T.		.10	.30			.07					.49	.57	T.	2.57
Towanda	....do	T.			.04	T.		.31	.17		.05	.05	.08	.07	.04	.03		T	T.	.04	T.	.48		T.	.02				.33		.24	T.	1.95
Weikert	Lower Susq		.04			.10		.10	.05	.12	.05	.05	.12	.06					.25				.35	.45					.25			.10	2.09
Wellsboro	W. Br. Susq				T	.02		.20	.10		.04	.02	.18	.07	.09	T		T.		T.		T.			.29				.20		.36		1.57
West Chester	Lower Del	.58						.18			.11	.15	.47	.65						T.		.22		.10					.58			.03	3.07
Westgrove‖‖	....do							.03	.08			.32	.28	.76	.02	.02				T.	.01	.28	.12	.07			.03		T.	.58			2.60
Wilkes-Barre‖‖	N. Br. Susq	T.	T.				T.		.25			.05	.26	.25	T.	.03			T.		.07	.31	T.	T.	T.					.60			1.82
Williamsport‖‖	W. Br. Susq					.02	.07		.31	T.		.09	.25	.12	.02	.01		.02	T		.08	.62		.01	.14				.07	.42			2.25
Williamstown	Susquehanna					T			.06			.22	.37	.42	.04					.13									.48			.06	1.78
York	Lower Susq					.03		.02	.08		.12	.14	.47	.61	.08					.04		.40		.38		.05			.30			.02	2.74
York Haven‖‖	Lower Susq						.12	.09	.18	.03		.27	.61	.41	.03	.04					.07	.22		.45	.04		.02			.36			2.94
Zionsville..(near).	Schuylkill							.02	.03	.01	.04	.71	.54	.08	.04					.01	.08	.40	.15						.44			.04	2.59
Trenton, N. J***	Lower Del				T.	T.	T.	.17	.01		.04	.08	.72	.06	.02			T.		.10		.28		.10		T.			.57			.02	2.17

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	T.				T.	T.	.03	.12			.72	.44	T.	.01			.02	T.	.04	.20	.39		.01	.04	.01			.02	.13		T.	2.18
Beaver Falls‖‖	Beaver	T.				T.	T.	.03	.09	T.		.51	.31	.02	.02	T.		.02	.01	.04	.18	.16		T.	.17	T.			.02	.08		T.	1.65
Bradford	Allegheny	T.	T.	T.	T.	.12	T.	.21	.07	T.	.25	.32	.34	.02	.07	T.		.05	T.	.16		.57		.04					.20	.10	.65		3.17
Brookville	do					.02	.03		.25			.60	.42	T.	.09			T.	T.		.37	.12		.24					.14	.15			2.43
Butler	Ohio																																
Chambersville	Allegheny	T.			T.	.07			.04		.52	.39	.88	.06	.04			.02	T.	.13		.31		.36					.44				3.26
Clairton‡	Monongahela					T.		.10	T.		.25	1.25	.22	T.	T.			T.		.31	.32			.52					.16				3.13
Claysville	Ohio					T		.26	.02		.26	.59	1.00	T	.05			T.	.02	.26	.03	.11		.81		.03			.13			T.	3.57
Clymer‡‡	Conemaugh																																
Confluence‖‖	Youghiogheny			.22		T.	T.		.20	T.		.85	.69	.25	.04	.03		.03			.20	.06	.30	.14	.19	T.	T.		T.	T			3.20
Corry	Allegheny				.02	.01		.18			.45	.51	.05						.09	.12		.55		.14					.12	.05	.42		2.71
Derry	Conemaugh					T.			T.		.66	.62	.89	.10	.04			.04	T.	.47		.58		.60					.30				4.30
Donora‖‖	Monongahela						T.	.12	.01		.04	.67	.98	T.	T.			T.		.11	.04	.17		.25	.20	T.			.20				2.79
Ebensburg	Conemaugh								T	.60		.30	.51	.28	T.			T.		.48		.21		.59		.03			.30				3.30
Elk Lick	Youghiogheny								.10			.36	.30				.35			.20	.10			.10		.10			.23				1.84
Franklin‖‖	Allegheny					.05			.23			.33	.36		.07			.10	.05		.20	.27							.07	.14			1.87
Greensboro	Monongahela			.07		T.	T.	.07	.02	.01		.77	1.04	.22	.04	.01		.03		.01	.18	.12	.18	.22	.08		.04		.01			.02	3.14
Greensburg	Youghiogheny					T.		.16	T.		.57	.61	.85	.06	.05			.06		.46		.49		.86	.06	T.			.25		T.	.01	4.49
Greenville	Beaver				T.	T.		.19	T.		.25	.34	.40	.02	.03			.03	T	.28		.30		.10					.02				1.96
Grove City	do							.10	.07		.26	.44		.40	.05			T.	.07	.36	T.	.02		.20					.13				2.10
Herrs Isl. Dam‖‖	Ohio			T.			T.	T.	.10	T.		.61	.83	.04	.06	T.		.03	T.	.04	.37	.51	T.	12	.15				.05	T.		.01	2.92
Irwin	Monongahela							.25	.04		.36	.70	.90	.06	.03			T.		.51		.45		.70	T.	.03			.25			.02	4.30
Johnstown	Conemaugh			.03		.04	T.	.11	T		.64	.30	.52	.16	.09			.03		.37	.01	.31	T.	.39		T.			.29			.03	3.32
Kane (near) ‡‡	Allegheny			T	T.	.04		.28	.06		.29	.24	.17	.09	.14			.06		.30	T.	.47		.63	.03				.28		.05	T.	3.13
Kregar‖‖	Youghiogheny		.02		T.			.05	T		.85	.71	.23	.10			.05	T.		.33	.18	.19	.37	.28				T.	.35			T.	3.71
Lake Lynn‖‖	Monongahela			.10				.06	.09	.01		.91	1.03	.28	.03	.01		.07			.28	.09	.47	.14	.03		.06			.34		.02	4.02
Linesville‖‖	Beaver					.03			.16			.39	.42	.04	.05				.12		.15	.21		.08	.28				.18		.03	.02	2.16
Lock No 2‖‖	Ohio							.09	.15			.54	.93	T.	T.	T.		.05		.07	.37	.63		.10	.66				T.	.10			3.69
Lock No. 4‖‖	Monongahela			T.			T.	.15	.10			.67	.78	T.	.03	T.		.02	T.	T.	.25	.16	.01	.34	.17	.04	T.		T.	.18		.01	2.91
Lock No. 5‡‡‖‖	Allegheny	T.		T.		T.	.01	T.	.16	T.		.78	.94	.03	.04	T.		.04	.02	T.	.46	.20		.06	.12	T.			.04	.16			3.06
Lycippus	Conemaugh			.08		.03		.12			.60	.58	1.12	.24				.09		.40	.36			.51		T.			.25				4.38
McKeesport‖‖	Monongahela								T.			.72	.80	.01	.01					.03	.20	.26		.32	.05				.01	.02		T.	2.43
Meadville	Allegheny					.04		.14	T.		.30	.33	.28	.05	.08			.05		.17		.25		.27					.20		.04		2.20
Mosgrove	do	.02				.01	.04		.20			.75	.49	.03	.06			.03	T.		.39	.18		.21	.04				T.	.25		T.	2.79
Mount Lebanon	Ohio					T.		.11	T.		.26	1.04	.44	T.	T.			T.		.31	.13	.27		.68					.23		T.	T.	3.47
Natrona‖‖	Allegheny	T.		.04		T.	.02	.01	.11	T.		.78	.95	.06	.03	T.		.05	.03	T.	.41	.25		.18	.05	.04			.05	.16			3.22
New Castle‖‖	Beaver	.02				T	T.	.04	.17			.43	.49	.02	.02			.04	.02	.10	.17	.18		.11	.01				.26	T.	T.	T.	2.08
Newell	Monongahela			.26				.24			.23	*	.70	T.		.80		.05			.25	.10						.37	.25	.13			3.38
Parkers Landing‖‖	Allegheny	T.					T.	T.	.26	T.	T.	.65	.38	T.	.02	T.		T.		T.	.36	.08		.12	T.				.08	T.			1.95
Pennline‖‖‡‡	Beaver	.02				.05			.19			.40	.37	.04	.10				.04	.14	.25			05	.15				.27		.03	.02	2.12
Pittsburgh***	Ohio			T.		T.	.01	.11	T.		.32	.89	.23	.03	T.			.03		.37	.33	.10		.46		T			.16	T.	T.	T.	3.04
Punxsutawney‖‖	Allegheny																																
Ridgway	do	T.			T.	.05	.02		.25			.42	.45	.04	.09	T.		.03	T.		.22	.50		.34	.12				.12	.25	.05		2.95
Saltsburg‖‖	Conemaugh					T.			.12			.70	.56	.05	.01			T.		T	.45	.26		.07	.04					.10			2.26
Sharon‖‖	Beaver								.16			.40	.49	.03	.03				.04	.05	.23	.06		.07					.03			.02	1.61
Smethport	Allegheny				.10	.25		T.	.30		T.	T.		.05	.02	.01				.05									.15	.35	T.		1.28
Somerset	Youghiogheny				T.	T.		.11	.01		.57	.28	.63	.16	.07			.01		.24		.41		.42		.17			.26			.02	3.36
Springdale‖‖	Allegheny			.01		T.	T.	.01	.11			.62	.86	.05	T.	T.		.01		.02	.45	.39		.05	.11	T.			.06	.12			2.87
Uniontown	Monongahela			.02				.15	T		.67	.33	1.17	.21	.03			.03		.22	.07	.23		.28		.05			.40			.02	3.88
Unity Reservoir‡‡	Youghiogheny	T.	T.					.15			.60	.60		.08	T			.08		.43		.57		.92					.33				3.76
Vandergrift‡	Conemaugh			.02	.02	.01		.08				1.30	.30								.62			.13					.14				2.62
Warren	Allegheny	.03				.22		.15	.05		.15	.35	.03		.12			.10		.10		.12		.24					.14	.06	.06		1.92
Waynesburg	Monongahela							.33			.50	.38	.86					.21		.17	.17	.21		.26		.06			.16				3.31
Westford‖‖	Beaver					T.		T.				.47	.60	.02	.06	T.		T.	T	.10	.17	.30	.04	.34				.20					2.30
West Newton‖‖	Youghiogheny							.06	T.			.74	.85	.05						T	.32	.40		.21	.40	T.			T.	.22			3.25
Lake Drainage.																																	
Erie***	Lake Erie		T.		T.	.04		.44	T.		.27	.38	T.	.03	.07			.06		.01	.06	.30		.02					.20	.22	.10	.01	2.21

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	Percentage of sunshine
Erie	29.87	30.68	9	29.50	17	14.7	44	sw.	17	74	68	70	51
Harrisburg	30.06	30.74	9	29.47	12	7.4	32	sw.	17	72	56	62	52
Philadelphia	30.08	30.75	9	29.45	12	13.3	37	sw.	17	66	53	59	48
Pittsburgh	30.05	30.63	9	29.55	11	11.1	38	sw.	17	72	65	60	41
Reading	30.08	30.73	9	29.46	12	11.4	44	sw.	17	69	54	56	45
Scranton	30.07	30.76	9	29.40	12	7.0	26	sw.	17	74	56	59	59

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	5.0	7.0	13	3.2	3	18
Phillipsburg	Delaware	5.3	10.0	13	2.7	6	22
Lehighton	Lehigh	4.0	5.2	12	3.1	23	17
Wilkes-Barre	Susquehanna	10.2	14.6	13	6.2	3	20
Williamsport	Susquehanna	6.9	10 8	7	4.4	2	20
Harrisburg	Susquehanna	7.3	9.7	14	6.1	30	17
Greensboro	Monongahela	14.9	34.3	12	11.4	10	30
West Newton	Youghiogheny	3.5	9.8	12	1.7	31	20
Lock No. 4	Monongahela	15.7	22.1	13	11.5	31	30
Pittsburgh	Ohio		26.3*	13	13.0*	31	25
Beaver Dam	Ohio		31.9*	13	11.9*	31	30

*—Pool stage.

Daily Temperatures for March, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	39	51	48	40	49	76	38	36	39	46	57	44	35	39	47	76	64	44	41	62	53	63	60	58	45	50	59	48	52	59	44	50.4
	Minimum	14	20	30	25	28	35	36	24	17	20	30	43	28	25	26	29	37	24	27	33	41	40	36	41	38	30	26	30	33	39	36	30.3
Altoona	Maximum	52	55	50	50	52	60	52	40	39	36	52	64	31	33	56	77	63	44	38	60	69	63	65	58	60	54	68	68	58	58	53	53.0
	Minimum	19	36	36	28	32	45	34	25	11	25	35	30	23	25	19	39	32	10	28	37	47	32	41	34	35	27	25	42	32	41	34	30.9
Bedford	Maximum	53	57	55	48	62	66	62	41	41	47	56	56	35	36	62	80	79	45	47	63	70	66	68	61	54	55	64	60	61	63	60	57.2
	Minimum	23	42	35	28	32	52	37	26	11	26	46	35	24	28	24	39	35	21	30	41	50	32	44	38	40	30	28	40	37	49	36	34.2
Bellefonte	Maximum	43	45	47	41	47	59	38	32	37	38	48	49	32	37	62	75	62	44	40	62	70	63	61	58	46	51	61	60	58	67	38	49.6
	Minimum	13	33	26	24	30	34	32	15	7	29	35	26	13	14	22	30	27	20	34	32	41	28	39	36	31	27	21	40	31	38	34	27.8
Brookville	Maximum	28	41	47	40	45	60	57	40	33	44	42	48	33	31	38	65	75	42	60	45	64	66	67	63	58	58	62	58	52	58	58	50.1
	Minimum	10	27	28	17	27	32	32	19	5	15	38	29	22	20	15	32	39	12	23	33	39	22	27	34	30	26	17	34	24	34	32	25.6
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	45	60	56	50	52	67	65	40	50	50	52	55	41	43	52	78	75	48	44	65	74	72	66	64	53	57	65	64	62	67	60	67.8
	Miuimum	20	25	30	26	29	40	40	30	28	40	45	35	25	27	26	32	42	25	32	33	59	37	45	45	41	31	23	40	36	40	37	34.3
Catawissa	Maximum	48	45	52	44	48	68	58	39	40	42	52	58	35	41	44	78	70	48	45	64	68	69	62	61	57	53	64	56	58	61	54	54.3
	Minimum	12	14	34	22	31	34	35	25	12	28	36	34	27	27	23	42	40	23	32	37	46	39	33	40	34	27	23	39	32	32	31	30.5
Chambersburg	Maximum	47	60	57	52	52	68	62	41	43	44	57	56	37	44	56	79	69	47	45	66	76	67	62	65	58	55	65	59	63	67	59	57.4
	Minimum	27	30	40	29	31	44	38	31	16	26	43	35	27	30	27	36	41	26	28	38	50	43	44	47	39	31	27	40	36	43	37	34.8
Chambersville	Maximum	44	50	50	53	66	62	53	45	43	45	55	57	31	33	66	76	75	51	49	65	70	66	65	58	66	53	68	65	57	59	55	56.2
	Minimum	20	38	32	24	40	47	35	21	11	29	44	28	21	27	22	48	32	11	36	41	49	25	44	32	34	27	23	36	30	35	38	31.6
Claysville	Maximum	51	60	57	65	70	67	60	41	52	51	56	57	39	37	69	78	71	50	57	67	70	67	66	61	56	59	74	74	60	61	57	60.0
	Minimum	26	40	34	33	51	47	39	22	15	34	46	28	22	29	21	57	31	20	40	45	54	34	51	37	40	33	29	37	33	39	46	35.9
Clearfield	Maximum	45	50	47	45	58	64	58	53	42	37	47	45	37	50	65	76	62	48	43	63	69	68	64	57	53	56	67	53	60	59	53	54.9
	Minimum	13	28	30	22	29	35	31	28	9	32	35	30	24	22	30	20	30	16	26	34	46	25	34	34	30	25	20	37	27	37	33	28.1
Coatesville	Maximum	43	59	52	44	55	70	63	35	39	47	54	61	38	43	48	75	65	46	48	64	66	65	60	59	47	52	60	56	59	63	49	54.4
	Minimum	15	31	36	26	32	48	34	28	17	23	45	34	27	28	27	33	38	25	27	40	45	45	38	44	36	32	25	34	35	43	36	33.1
Corry	Maximum	40	44	47	45	62	62	35	30	46	39	46	40	29	36	61	70	60	45	42	60	60	60	57	61	49	48	65	63	54	42	48	49.9
	Minimum	8	37	20	26	38	34	24	13	6	34	36	24	19	23	20	54	20	14	33	33	46	26	31	34	38	22	20	33	29	28	32	27.6
Emporium	Maximum	44	47	44	43	48	58	45	45	40	40	45	42	34	34	60	71	57	46	41	60	67	61	62	62	55	49	61	50	57	53	45	50.5
	Minimum	7	30	32	18	31	33	35	20	4	32	37	32	25	26	18	31	28	28	34	36	42	30	32	37	33	23	19	35	27	38	35	28.6
Erie	Maximum	43	47	39	50	66	57	32	22	39	47	47	33	33	34	66	72	64	42	48	55	63	55	65	38	41	39	56	54	53	38	40	47.7
	Minimum	20	39	25	25	47	32	22	16	14	36	32	27	24	25	31	59	26	22	40	38	45	38	36	34	34	28	31	37	37	30	34	31.7
Franklin	Maximum	43	50	43	52	68	51	43	36	47	49	53	36	35	36	67	77	43	50	47	65	65	69	66	56	62	55	69	54	59	54	49	53.2
	Minimum	18	19	22	22	34	42	32	19	9	12	36	28	23	23	24	35	38	15	18	35	38	29	30	33	34	25	22	25	32	34	40	27.3
Freeland	Maximum	28	39	36	37	49	59	48	34	28	40	64	48	30	38	45	69	64	39	41	56	59	56	57	52	47	42	58	48	54	51	39	46.6
	Minimum	8	20	26	24	34	41	34	18	8	21	36	28	16	14	21	36	35	14	26	32	38	32	37	32	32	20	22	34	29	35	27	26.8
Gettysburg	Maximum	45	62	58	51	56	70	66	41	42	48	56	61	38	44	52	77	72	54	48	64	75	71	61	64	61	55	62	61	61	68	63	58.3
	Minimum	25	34	44	30	32	48	40	30	18	25	44	37	27	30	28	43	48	26	30	39	48	43	43	45	39	33	28	40	35	42	37	35.8
Greensburg	Maximum	49	57	53	62	67	64	61	44	49	47	58	58	35	34	68	76	70	52	50	68	69	69	65	60	55	53	70	64	59	59	53	58.0
	Minimum	20	25	34	29	45	49	36	23	14	32	46	30	23	31	26	48	32	18	38	44	50	34	49	34	38	30	28	37	31	38	45	34.1
Grove City	Maximum	44	51	51	53	66	70	53	37	45	42	51	44	36	36	68	73	70	49	47	64	62	65	65	64	58	56	64	63	56	56	51	55.2
	Minimum	22	40	28	27	42	42	32	20	14	15	41	30	20	26	26	56	31	15	35	39	52	36	48	34	37	28	28	34	32	31	39	32.3
Hamburg	Maximum	43	56	63	42	50	66	54	42	40	44	51	56	39	38	47	76	68	72	48	65	76	68	65	60	57	53	60	61	58	62	56	56.0
	Minimum	15	25	33	21	32	40	35	28	14	20	38	36	27	19	23	33	33	24	26	38	42	36	36	41	35	29	23	37	32	37	34	30.4
Harrisburg	Maximum	44	57	53	45	51	66	53	34	39	42	54	56	36	44	52	76	63	45	44	63	73	66	63	62	50	53	62	50	61	63	44	53.7
	Minimum	25	31	35	31	35	42	34	23	18	29	41	31	28	30	31	38	32	28	33	41	49	46	45	45	39	34	32	42	40	44	36	35.1
Hawley	Maximum	36	48	45	40	52	58	50	34	39	44	57	55	34	34	41	70	65	47	43	58	55	57	59	55	53	48	57	53	54	53	42	49.5
	Minimum	1	18	31	12	27	31	26	22	−1	17	35	33	22	7	10	25	38	18	27	31	35	30	26	36	27	20	19	24	25	35	26	23.6
Huntingdon	Maximum	53	56	56	47	52	64	50	41	42	41	54	56	37	40	52	....	53	....	....	65	73	67	67	63	51	56	65	63	61	63	51	55.0[c]
	Minimum	19	31	30	23	30	38	37	27	11	34	36	31	27	26	24	30	34	20	30	35	49	30	37	39	32	28	20	25	29	46	37	30.5
Johnstown	Maximum	53	56	55	54	67	63	54	46	45	49	60	58	34	36	68	79	65	50	48	67	70	68	67	61	50	58	71	56	59	62	54	57.5
	Minimum	20	39	35	31	34	49	39	25	15	27	48	31	24	31	26	44	31	21	31	46	51	33	44	37	39	31	26	39	35	43	38	34.3
Lancaster	Maximum	40	57	58	53	58	64	64	38	39	45	54	58	42	40	48	74	74	61	48	62	67	68	65	59	58	54	58	61	60	64	60	56.5
	Minimum	13	25	30	25	29	40	38	29	16	23	42	39	29	29	21	32	47	24	29	34	46	34	35	43	38	29	23	37	32	38	37	31.7
Lawrenceville	Maximum	43	50	47	38	51	55	45	30	40	40	48	45	33	40	50	73	63	47	43	61	68	62	63	60	53	47	61	57	57	51	40	50.4
	Minimum	5	25	30	18	33	33	25	14	−6	25	35	30	20	19	12	35	30	18	32	30	38	25	28	35	30	19	20	28	26	32	30	25.0
Lebanon	Maximum	45	60	53	48	49	68	41	39	40	45	56	45	42	44	51	80	64	47	47	66	70	65	61	61	45	52	62	49	60	63	42	53.5
	Minimum	18	27	34	25	31	38	39	29	18	23	30	42	23	25	27	32	43	26	28	36	43	36	41	43	40	32	26	38	33	40	35	32.3
Marcus Hook	Maximum	63	60	54	59	74	72	40	44	54	58	60	47	45	49	73	78	61	49	65	64	66	....	69	62	54	58	59	61	66	69	45	59.3[a]
	Minimum	36	40	30	37	51	38	31	21	29	46	44	31	34	30	38	53	29	33	44	46	48	....	44	42	35	34	41	40	48	38	40	38.4[a]
Meadville	Maximum	43	50	48	50	66	65	42	35	46	46	48	49	39	33	64	72	69	46	46	60	61	66	66	65	58	52	65	66	56	55	48	54.0
	Minimum	19	38	26	26	42	37	32	17	14	34	41	26	21	25	25	53	27	15	37	33	50	29	46	32	34	27	25	36	33	31	37	31.2
Mifflin	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Montrose	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Muncy Valley	Maximum	39	44	42	34	41	58	49	32	32	34	44	48	37	33	43	71	68	41	39	60	65	63	57	53	58	56	57	55	....	....	44	48.2[b]
	Minimum	1	20	28	14	28	30	32	19	2	16	29	32	15	17	9	30	30	17	27	30	37	25	29	31	29	30	24	35	....	....	32	24.1[b]
Philadelphia	Maximum	42	60	56	44	59	71	54	36	40	50	62	62	38	43	49	75	66	47	48	65	61	67	62	61	49	54	57	58	58	64	44	64.9
	Minimum	25	37	36	31	39	51	34	29	23	29	48	34	30	32	30	39	35	30	33	45	46	51	48	47	41	36	36	41	42	42	38	37.4
Pittsburgh	Maximum	51	59	53	64	69	61	56	33	51	51	57	38	38	37	69	77	65	52	51	66	68	68	68	56	57	55	70	60	61	59	54	57.2
	Minimum	30	46	35	35	54	45	32	25	23	38	38	30	26	32	33	61	30	26	43	47	49	39	50	38	45	36	34	40	39	42	41	38.1
Quakertown	Maximum	40	56	51	47	56	67	61	48	38	45	52	59	49	38	46	75	69	45	43	63	60	63	59	58	55	50	58	54	56	59	54	54.0
	Minimum	9	24	26	21	38	39	33	25	16	22	42	38	26	25	23	31	44	23	27	34	39	37	32	41	33	27	25	34	31	40	33	30.3
Reading	Maximum	44	60	50	44	55	67	51	35	43	66	58	64	37	42	51	79	66	47	48	65	65	65	62	60	47	50	60	50	60	61	43	54.2
	Minimum	24	37	35	28	37	51	32	24	19	28	44	31	27	30	28	37	33	26	30	41	46	47	46	43	40	34	32	41	39	42	36	35.1
Ridgway	Maximum	41	47	44	43	62	57	36	32	43	45	51	34	32	35	62	76	54	49	43	62	66	65	64	57	56	51	66	50	60	54	42	50.9
	Minimum	8	28	28	20	31	34	32	16	5	11	32	30	23	23	16	34	48	16	25	37	42	25	28	34	33	23	18	28	28	36	35	26.7
Scranton	Maximum	41	49	45	44	50	61	40	30	39	43	55	57	33	35	47	73	62	46	42	57	64	59	58	52	51	43	58	47	57	51	44	49.5
	Minimum	13	32	27	23	36	43	30	15	10	28	38	27	24	19	18	36	26	22	31	37	43	39	37	37	35	26	27	38	35	35	33	29.7
Selinsgrove	Maximum	42	51	50	41	48	65	63	39	40	41	51	54	39	39	49	75	74	46	44	61	74	73	56	57	57	53	58	58	60	61	51	53.9
	Miuimum	14	27	34	23	30	34	34	24	12	29	35	35	25	19	25	36	40	24	32	36	46	54	36	40	38	48	51	44	47	48	36	34.1
Somerset	Maximum	46	51	48	47	63	61	59	45	39	45	55	57	29	30	65	75	70	42	47	64	64	60	63	57	49	51	62	58	54	57	53	53.7
	Minimum	19	38	33	26	40	45	38	19	9	21	44	27	19	25	11	47	29	12	29	43	47	25	40	33	31	30	20	34	31	40	34	30.3
State College	Maximum	45	48	47	42	48	59	55	42	40	38	50	52	35	39	53	77	64	45	40	62	70	64	62	60	46	51	64	52	59	59	59	52.5
	Minimum	14	37	35	24	32	39	32	22	9	27	35	33	23	25	23	38	30	19	33	37	47	35	38	34	36	26	24	38	33	40	33	30.7
Stroudsburg	Maximum	36	40	53	40	49	66	36	36	39	45	55	40	38	42	46	74	68	40	62	60	62	58	60	54	51	47	65	45	57	50	60	50.8
	Minimum	8	24	30	19	21	36	32	21	10	20	35	30	25	4	12	16	32	23	30	40	40	32	34	40	33	20	26	31	31	39	40	26.9
Towanda	Maximum	41	50	47	39	51	59	39	31	34	41	50	52	36	34	47	73	65	46	39	58	68	60	58	57	53	45	58	48	58	53	40	49.4
	Minimum	3	24	28	18	32	32	30	14	0	19	36	30	23	20	13	38	29	19	33	31	39	28	30	35	31	23	20	30	28	33	29	25.7
Uniontown	Maximum	51	58	52	64	68	68	65	49	51	53	59	60	34	34	70	79	68	53	51	71	72	69	66	61	26	58	74	68	60	62	57	60.0
	Minimum	27	41	39	35	53	53	45	25	20	30	49	32	25	33	27	58	35	23	42	48	56	38	53	40	40	37	28	40	36	45	46	38.7
Vandergrift	Maximum	49	56	57	60	69	62	59	38	47	45	56	40	39	38	69	79	64	52	49	66	72	68	68	56	57	56	70	61	63	57	52	57.2
	Minimum	26	39	30	32	38	44	36	23	17	30	31	30	25	29	29	49	26	16	34	45	41	32	49	35	41	31	26	39	34	39	29	33.1
Warren	Maximum	40	44	45	40	55	56	42	28	33	42	46	46	30	32	56	65	65	33	44	56	56	57	58	54	50	54	58	55	47	50	51	48.0
	Minimum	21	29	25	22	40	42	28	16	10	32	32	28	24	24	28	44	30	20	32	37	40	32	40	39	32	32	30	38	32	32	39	30.6
Waynesburg	Maximum	51	59	57	65	68	66	63	46	54	49	57	62	38	37	71	77	72	54	50	70	70	70	65	62	57	57	72	70	60	62	56	60.2
	Minimum	27	44	36	31	54	52	43	23	16	34	48	29	24	30	25	53	33	21	41	45	54	34	51	39	39	34	27	38	32	44	42	36.9
Wellsboro	Maximum	49	45	39	35	50	58	40	28	42	39	50	45	30	35	50	74	60	47	38	60	67	62	56	56	60	47	59	50	58	50	38	48.9
	Minimum	2	24	32	15	28	28	25	12	−4	23	32	27	20	14	20	30	26	15	28	29	38	24	27	33	27	19	16	28	25	30	28	23.3
Williamsport	Maximum	41	50	48	39	42	55	55	35	37	37	45	45	35	34	47	75	76	42	42	58	63	63	59	55	50	50	55	55	58	58	44	49.9
	Minimum	12	27	33	22	33	34	33	23	11	29	34	35	26	26	22	34	35	22	32	36	46	32	35	35	37	28	25	38	30	43	35	30.4
Williamstown	Maximum	41	53	52	49	51	63	62	44	41	43	52	56	36	40	48	75	75	71	44	62	....	....	....	71	....	....	66	61	56	58	57	54.9[e]
	Minimum	18	35	32	24	33	46	32	19	29	12	34	33	22	25	23	38	40	20	27	36	....	....	....	37	....	....	27	39	33	41	30	30.2[e]
York	Maximum	46	63	59	51	59	70	65	41	43	51	58	62	38	46	55	82	75	45	60	66	75	71	65	62	61	53	65	62	62	65	62	59.3
	Minimum	19	30	35	38	30	44	40	30	16	27	45	38	25	30	28	45	45	27	32	34	48	34	37	45	36	32	24	43	29	39	38	34.3

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CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XL. APRIL, 1935. NO. 4.

GENERAL SUMMARY.

Temperatures were almost constantly below the normal during the first two decades, and above the normal thereafter, resulting in a moderate deficiency for the month. This started the growing season in a backward condition. The soil remained cold, and all kinds of vegetation was slow in starting, while much early planted seed failed to germinate. Fruit trees were very slow in coming into bloom, which apparently was a fortunate circumstance as it saved much of the fruit from frost damage. During the first half of the month light to moderate rains and snows occurred at frequent intervals, and completely saturated the top soil. Fields were too muddy to plow or to prepare for seeding where the plowing had been done. This condition was followed by a period of almost complete drought from the 17th to 27th inclusive, during which the top soil dried out rapidly, and became too dry for good results. In many places the drying was so rapid as to cause the soil to bake hard, and bebecome lumpy as soon as it was broken. Light to moderate rains occurred in most regions on the 28th, 29th and 30th, and relieved the dry condition to a large extent by the end of the month. The precipitation for the month as a whole was about seventy-five per cent of the April normal, and this shortage served to increase a deficiency that has been steadily accumulating since the first of the year. This accumulated deficiency averaged 2.17 inches at the close of the month, or in other words the rainfall for 1935 was nearly a month short. The snowfall for April was about twenty per cent above the normal, with some heavy snows in the northeastern portion of the State. Pleasant Mount, in Wayne County, reported a monthly snowfall of 15.8 inches, of which 8.9 inches fell within a 24-hour period on the 8-9th. The sunshine was deficient in most regions, which still further delayed the progress of vegetation. The winter grains were least affected by the unseasonable conditions, and at the close of the month they were generally reported as fair to good.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 89 stations, was 47.1°, which is 1.6° below the April normal. The highest monthly mean was 51.6°, at Philadelphia, and the lowest was 38.2°, at Gouldsboro. Extremes for the month ranged from a maximum of 91° at Carlisle and Mifflin on the 27th, to a minimum of 12° at Kylertown and Corry on the 16th. The greatest daily range in temperature was 61° at Ridgway on the 26th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations taken at 141 stations, was 2.56 inches, which amount is 0.88 inch less than the April normal. The greatest monthly amount was 4.68 inches at Lancaster, while the least, 1.13 inches, was reported from Center Hall. The greatest amount recorded in any 24 consecutive hours was 2.20 inches at Lancaster on the 8th.

Snowfall for the State averaged 2.9 inches, which is 0.6 inch above the monthly normal. The greatest monthly snowfall was 15.8 inches recorded at Pleasant Mount, where also fell the greatest amount in 24 hours which was 8.9 inches on the 8-9th.

COMPARATIVE DATA FOR APRIL

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.2	−1.5	92	12	2.52	−0.92	4.23	0.99	1.3	8	14	10	6
1889	49.7	+1.0	88	14	4.50	+1.06	8.15	2.09	0.9	11	11	8	11
1890	48.6	−0.1	85	12	3.46	+0.02	5.50	1.75	0.4	10	14	8	8
1891	49.8	+1.1	87	11	2.08	−1.36	3.54	1.12	1.2	8	13	9	8
1892	46.9	−1.8	85	14	2.04	−1.40	4.43	0.61	1.1	10	10	10	10
1893	47.7	−1.0	85	16	4.74	+1.30	6.91	2.95	0.6	14	7	10	13
1894	48.0	−0.7	83	5	3.62	+0.18	10.00	1.69	14.7	11	11	8	11
1895	49.2	+0.5	90	5	3.76	+0.32	7.09	0.79	0.2	10	10	8	12
1896	53.0	+4.3	97	4	1.75	−1.69	3.39	0.20	0.9	8	10	10	10
1897	49.0	+0.3	92	12	3.30	−0.14	4.63	1.20	0.3	10	12	9	9
1898	45.6	−3.1	84	4	2.93	−0.51	5.34	1.36	2.5	12	9	8	13
1899	50.2	+1.5	92	2	1.76	−1.68	3.25	0.70	0.5	6	15	9	6
1900	49.2	+0.5	90	13	1.57	−1.87	2.80	0.60	0.9	8	14	8	8
1901	47.2	−1.5	95	10	5.41	+1.97	9.18	1.46	4.9	11	9	5	16
1902	48.0	−0.7	91	20	3.56	+0.12	7.14	1.34	3.0	9	8	10	12
1903	48.8	+0.1	90	12	3.53	+0.09	4.93	2.16	T.	10	11	7	12
1904	44.7	−4.0	86	9	3.45	+0.01	6.42	1.34	1.0	13	8	8	14
1905	48.4	−0.3	84	16	2.84	−0.60	4.74	1.39	2.8	12	9	11	10
1906	50.0	+1.3	89	12	3.13	−0.31	6.96	0.75	0.6	9	14	8	8
1907	43.6	−5.1	84	8	2.64	−0.80	4.42	1.02	4.0	11	10	7	13
1908	49.8	+1.1	89	0	3.51	+0.07	6.31	1.85	1.0	12	12	8	10
1909	48.5	−0.2	87	8	5.39	+1.95	8.42	2.67	2.6	13	10	9	11
1910	52.6	+3.9	89	13	5.07	+1.63	8.50	2.21	0.6	13	10	9	11
1911	46.2	−2.5	84	6	3.79	+0.35	5.85	1.66	4.4	13	11	7	12
1912	50.2	+1.5	83	18	4.39	+0.95	7.31	2.41	1.6	15	10	7	13
1913	50.6	+1.9	90	17	3.82	+0.38	9.28	1.46	0.2	11	12	6	12
1914	47.3	−1.4	93	5	4.66	+1.22	7.50	1.90	1.1	14	10	8	12
1915	53.9	+5.2	98	15	1.92	−1.52	4.41	0.46	1.6	8	13	10	7
1916	48.0	−0.7	87	16	3.65	+0.21	7.40	1.65	5.6	14	9	9	12
1917	48.5	−0.2	87	14	2.08	−1.36	4.89	0.41	2.6	9	11	10	9
1918	48.2	−0.5	81	12	4.53	+1.09	8.83	1.84	10.8	14	10	9	11
1919	48.5	−0.2	90	6	2.70	−0.74	4.76	0.99	1.2	11	10	10	10
1920	46.0	−2.7	87	8	4.39	+0.95	11.34	2.44	3.0	16	9	9	12
1921	55.3	+6.6	96	10	3.11	−0.33	5.06	1.12	0.8	11	13	7	10
1922	50.1	+1.4	91	11	3.17	−0.27	6.10	1.28	0.4	12	12	9	9
1923	48.3	−0.4	89	−5	2.94	−0.50	5.89	1.00	1.9	9	14	8	8
1924	46.5	−2.2	82	6	4.15	+0.71	7.52	1.77	7.4	12	13	7	10
1925	51.3	+2.6	96	9	2.32	−1.12	4.89	0.93	0.5	10	15	7	8
1926	44.9	−3.8	84	9	2.03	−1.41	4.35	0.85	0.9	9	12	9	9
1927	47.7	−1.0	92	17	3.52	+0.08	5.59	1.65	1.0	13	12	7	11
1928	46.0	−2.7	88	11	5.50	+2.06	9.82	2.11	6.5	13	12	8	10
1929	51.4	+2.7	94	19	6.12	+2.68	8.94	3.31	1.1	15	9	8	13
1930	48.2	−0.5	92	9	2.71	−0.73	4.43	0.66	1.1	10	11	8	11
1931	48.4	−0.3	85	16	3.33	−0.11	5.93	1.00	2.3	10	14	6	10
1932	47.0	−1.7	86	14	1.71	−1.73	3.73	0.58	1.2	8	14	6	10
1933	50.9	+2.2	89	15	4.49	+1.05	6.20	2.19	0.5	13	12	8	10
1934	48.9	+0.2	86	14	3.06	−0.38	5.52	1.14	0.6	11	13	8	9
1935	47.1	−1.6	91	12	2.56	−0.88	4.68	1.13	2.9	11	11	7	12
Period	48.7	....	98	−5	3.44	....	11.34	0.20	2.3	11	11	8	11

W. B. O. Philadelphia-5-29-35-1050.

Climatological Data for April, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	46.6	−1.9	87	27	29	16	44	2.70	−1.06	1.00	0.2	13	17	5	8	nw.	John A. Frick.
Altoona	Blair	1,615	48	46.1	−1.9	85	27	18	16	44	2.03	−1.10	0.42	2.0	9	13	11	6	w.	John J. Martin.
Ardmore	Montgomery	350	3	49.6	−1.1	86	27	28	16	41	3.19	−0.86	1.12	T.	9	.....	.....	.....	.....	H. L. Balderston.
Arendtsville	Adams	700	13	47.5	−1.8	86	27	24	16	46	2.15	−1.04	0.70	3.6	9	14	7	9	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	47.8	.....	88	27	20	16	52	2.13	.....	0.93	8.0	10	11	6	13	nw.	Charles C. Lee.
Bellefonte	Center	1,050	27	44.6	−5.9	84	27	20	16	49	1.72	−2.30	0.51	7.6	10	3	9	18	w.	U. S. Weather Bureau.
Bethlehem	Northampton	364	50	50.0	−1.5	86	27	28	16	37	2.19	−1.04	0.64	T.	13	12	4	14	e.	Lehigh University.
Carlisle	Cumberland	467	69	50.4	−1.7	91	27	26	16	52	3.07	−0.37	1.80	5.0	11	12	3	15	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	48.6	−1.8	89	27	26	16	51	2.82	−0.72	0.78	1.0	13	15	7	8	.....	W. L. Gearhart.
Center Hall	Center	1,272	39	43.4	−4.8	82	27	15	16	40	1.13	−1.96	0.58	7.5	8	14	3	13	.....	S. W. Smith.
Chambersburg	Franklin	580	36	49.7	−0.4	89	27	24	16	48	2.37	−0.72	0.57	2.2	8	10	7	13	ne.	William B. Spear.
Clearfield	Clearfield	1,120	28	46.8	−1.1	85	27	18	16	54	2.08	−1.59	0.50	3.0	12	12	10	8	ne.	E. W. Hess.
Coatesville	Chester	380	48	49.4	−1.2	85	27	29	5†	40	4.57	+0.80	1.78	T	11	7	3	20	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	47.2	−1.9	87	27	25	16	45	3.78	−0.32	2.10	1.5	9	11	6	13	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	45.0	−1.7	84	27	21	16	52	2.05	−1.61	0.32	2.3	11	9	9	12	n.	T. B. Lloyd.
Ephrata	Lancaster	380	43	50.2	+0.2	90	27	28	16	49	3.15	−0.38	1.58	T.	9	11	6	13	n.	Ira J. Keath.
Freeland	Luzerne	1,970	42	43.2	−1.1	86	27	20	16	34	3.77	−0.59	1.46	13.0	14	4	13	13	nw.	Theo. Reichmann.
George School	Bucks	190	29	49.8	−0.4	83	27	30	5†	38	1.56	−2.07	0.40	T.	11	14	9	7	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	50.5	−0.2	88	27	26	16	41	2.58	−1.08	0.70	1.0	10	11	6	13	nw.	Dr Henry Stewart
Gordon	Schuylkill	840	31	46.2	−1.5	86	27†	24	16	51	3.14	−1.22	0.76	6.0	13	15	5	10	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	38.2	−3.2	77	27	19	16	44	1.95	−1.86	0.75	8.2	10	15	6	10	w.	Ronald H. Marshall.
Hamburg	Berks	535	42	48.5	−1.2	90	28	25	16	49	2.70	−1.42	0.70	T.	6	15	6	9	w.	State Sanatorium.
Hanover	York	600	31	50.7	−1.9	88	27	26	16	39	3.32	−0.20	0.87	2.0	11	13	3	14	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	49.8	−1.1	86	27	27	16	36	2.69	0.00	1.61	1.4	10	6	12	13	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	17	43.1	−2.5	85	27	21	4	53	2.72	−0.71	0.78	4.6	10	11	7	12	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	49.8	−1.8	79	28	30	16	29	4.23	+1.30	1.61	T.	9	10	7	13	.....	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	47.7	−1.9	88	27	23	16	54	2.32	−1.12	0.60	1.0	10	11	7	12	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	49.2	−1.5	90	27	21	16	55	2.22	−1.55	0.70	2.1	12	11	7	12	.....	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	43.8	.....	84	27	12	16	49	2.07	.....	0.47	10.0	11	9	9	12	nw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	48	48.8	−0.3	87	27	27	16	51	4.68	+1.19	2.20	4.0	8	12	9	9	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	44.5	−1.4	88	27	23	16	64	3.10	+0.06	0.65	9.0	13	10	7	13	.....	C. P. Darling.
Lebanon	Lebanon	469	51	49.2	−1.2	88	27	27	16†	45	3.67	+0.19	1.38	0.5	10	16	8	6	nw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	49.4	−0.9	88	27	25	16	48	2.65	−0.80	0.63	5.0	14	6	17	7	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	8	.....	.....	84[k]	27	37[k]	4†	28[k]	3.45	.....	0.69	T.	11	16	0	14	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	45.5	−3.1	84	28	26	16	48	2.01	−1.95	0.60	0.2	10	13	5	12	nw.	R. K. Wintermute.
Mifflin	Juniata	445	31	50.3	+0.3	91	27	25	16	55	2.51	−1.27	0.96	4.5	6	15	4	11	w.	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Vacant.
Mt. Pocono	Monroe	1,720	29	41.3	−1.2	86	27	20	16	44	2.44	−1.66	0.70	7.5	14	11	7	12	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,046	23	43.5	−4.1	83	26	24	16	57	3.32	−0.85	0.82	5.0	10	15	5	10	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	48.4	−0.9	84	27	28	6	45	2.26	−1.12	0.69	T.	12	9	6	15	ne.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	47.3	.....	84	27	28	16	46	1.47	−1.75	0.63	T.	11	14	9	7	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	165	64	61.6	−0.5	83	27	32	16	32	2.12	−0.93	1.02	T.	9	4	10	16	n.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Vacant
Phila. Navy Yard	Philadelphia	12	19	51.4	0.0	84	27	32	16	34	2.27	−1.12	1.26	T	6	6	9	15	ne.	Commandant. Navy Yard.
Phœnixville	Chester	100	25	50.8	−0.8	86	27	29	5	47	3.21	−0.32	0.93	T	10	13	8	9	nw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	50	47.6	−0.9	83	27	27	5	46	2.48	−0.87	0.65	T.	14	8	10	12	nw.	John E. Benner.
Reading	Berks	514	65	50.4	+0.1	86	27	27	16	30	2.44	−0.83	1.32	T.	10	6	12	12	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	46.6	.....	85	27†	27	16	49	3.66	.....	1.02	2.0	12	13	7	10	ne.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	46.0	−2.1	86	27	27	16	44	3.50	+0.73	1.19	3.6	13	4	11	15	nw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	48.4	−1.2	85	29	28	25	40	2.62	−0.98	0.86	6.5	11	7	15	8	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	50.9	−1.3	83	27†	32	5	38	2.90	−0.40	0.76	T.	10	9	8	13	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	49.4	.....	86	27	24	16	41	2.80	.....	0.84	6.3	10	9	8	13	sw.	State Teachers College
State College	Center	1,217	51	46.4	−1.1	86	27	19	16	44	2.24	−1.16	0.46	4.5	10	10	11	9	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	45.6	−2.8	86	27	27	5	51	3.20	−0.86	0.91	4.6	12	21	2	7	nw.	State Normal School.
Towanda	Bradford	754	41	44.2	−2.2	87	27	25	16	53	3.74	+0.74	1.09	11.2	19	9	8	13	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	42.1	−2.5	87	27	13	17	56	2.03	−1.45	0.64	13.0	9	15	4	11	nw.	George W. Hill.
West Chester	Chester	455	86	49.4[b]	−0.4	84[b]	27	29[b]	16	35[b]	4.23	+0.44	1.15	T	10	11	9	10	e.	Joseph W. Belt.
Williamsport	Lycoming	521	49	46.9	−2.0	73	26	27	16	41	3.21	−0.27	1.20	5.1	13	8	11	11	ne.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	47.5	−2.5	87	27	21	16	35	2.81	−0.85	0.91	4.0	10	8	11	11	sw.	Susquehanna Collieries Co.
York	York	400	47	50.0	−0.9	90	27	27	16	44	3.84	+0.68	1.08	T.	11	11	11	8	nw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	48.4	−1.5	84	27	21	16	43	1.84	−1.24	0.39	0.2	12	6	2	22	ne.	U. S. Engineer.
Brookville	Jefferson	1,173	45	42.9	−2.2	84	28	17	16	48	1.61	−1.29	0.30	1.0	11	9	10	11	.....	Frank S. Fawcett.
Butler	Butler	1,077	22	45.2	−3.0	84	28	17	16	51	2.37	−1.07	0.60	3.0	10	16	4	10	w.	William C. Faust.
Chambersville	Indiana	1,047	5	46.0	−3.7	86	27	16	16	50	3.29	−0.65	1.26	3.0	11	13	2	15	ne.	John E. Lewis.
Clairton	Allegheny	1,020	3	45.7	.....	83	27	17	16	44	2.71	.....	0.87	0.2	13	5	9	16	w.	Carnegie Steel Co.
Claysville	Washington	1,150	30	48.2	−2.6	85	27	16	16	51	3.23	−0.23	0.66	1.1	17	12	4	14	n.	J. L. Melvin.
Corry	Erie	1,430	22	42.3	−2.4	82	27	12	16	50	1.56	−2.11	0.49	0.5	12	16	5	9	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	48.4	−1.1	85	27	20	16	46	2.62	−1.16	0.47	T.	13	16	5	9	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	18	44.4	−0.6	80	27	16	16	45	1.69	−1.81	0.38	8.0	9	20	5	5	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. S. Stevanus.
Franklin	Venango	957	61	45.6	−0.5	86	27	19	16	54	1.25	−1.86	0.28	0.5	9	8	8	14	sw.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	26	48.0	−2.5	84	27	19	16	44	2.84	−0.82	0.57	4.9	14	6	11	13	n.	Westmoreland Water Co.
Greenville	Mercer	950	39	46.6	0.0	81	26†	18	16	50	1.45	−1.96	0.37	2.7	10	15	3	12	.....	Charles P. Clarke.
Grove City	Mercer	1,256	28	46.2	−1.4	83	26	22	16	48	1.69	−1.98	0.29	1.9	13	10	7	13	nw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	53	48.3	−1.5	86	27	21	16	48	2.58	−1.46	0.40	5.0	15	13	3	14	nw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	43.0	.....	83	27	14	16	49	2.02	.....	0.47	3.5	10	10	6	14	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	47.4	−2.3	84	27	19	16	33	3.64	−0.19	1.15	3.0	12	2	14	14	nw.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	45.8	+0.5	82	27	18	16	47	2.03	−1.35	0.50	1.0	13	12	4	14	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	47.4	.....	84	27	19	16	42	2.24	.....	0.72	1.7	9	12	3	15	nw.	Fred Hoffman.
New Castle	Lawrence	808	55	46.2	−2.5	83	27	20	16	42	1.96	−1.03	0.48	0.5	14	9	10	11	w.	New Castle Water Co.
Newell	Fayette	800	15	46.4	−5.0	80	30	24	1	39	1.84	−1.14	0.41	.....	8	12	7	11	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	50.0	−1.2	86	27	23	16	37	1.91	−1.01	0.53	1.0	12	4	12	14	w.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	43.4	−2.6	86	26	18	16	61	1.63	−1.30	0.43	5.2	10	10	7	13	nw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	46.1	−1.9	83	27	20	16	49	1.15	−1.92	0.39	0.7	10	11	12	7	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	42.8	−3.6	81	27	15	16	53	2.21	−2.50	0.55	7.3	14	5	12	13	nw.	D. L. Grove.
Uniontown	Fayette	1,100	47	49.6	−1.6	85	27	20	16	45	3.38	−0.36	0.59	0.5	15	9	12	9	nw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	48.0	−3.0	84	27	22	16	47	2.91	+0.11	0.95	.....	11	12	8	10	.....	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	43.0	−1.8	73	27	22	16	38	1.66	−1.89	0.40	6.4	10	16	1	13	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	48.5	.....	83	27	18	16	49	2.90	.....	0.64	0.5	14	4	12	14	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	43.8	−1.3	82	27	23	16	29	1.17	−1.56	0.40	1.1	10	12	7	11	nw.	U. S. Weather Bureau.
For the State	.....	.....	.....	47.1	−1.6	91	27	12	16	61	2.56	−0.88	2.20	2.9	11	11	7	12	nw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell: o Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for April, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.03	.01	....	....	....	.67	T.	T.	.48	.07	....	.11	.13	.01	....	.10	.04	....	....	....	....	....	....	....	.04	....	....	.01	....	1.00	....	2.70
Altoona	Juniata	....	....	....	....	T.	.26	....	.30	.25	....	....	.42	.14	....	.18	.10	....	....	....	....	....	....	....	....	....	....	....	T.	.23	.15	....	2.03
Ansonia‖‖	W. Br. Susq	T.	.12	T.	....	....	.18	....	.09	1.06	.02	....	.05	.30	....	....	.16	T.	....	....	....	....	....	....	....	....	....	....	.07	....	.34	....	2.39
Ardmore	Lower Del	....	....	....	....	.66	.02	....	1.12	.41	T.	.02	.08	....	T.	.07	T.	....	....	....	....	....	....	....	....	....	....	....	....	.63	.18	....	3.19
Arendtsville	Lower Susq	....	.02	....	.01	....	.34	....	.34	.70	.01	....	.19	.16	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.38	....	2.15
Baker's Summit	Juniata	....	....	....	....	....	.22	....	.60	.49	....	....	.43	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.13	.29	.09	....	2.36
Bedford	Juniata	T.	....	....	....	.05	.19	....	.45	.48	....	....	.89	.16	.01	.06	T.	....	....	....	....	....	....	....	....	....	....	T.	....	.16	.18	....	2.13
Bellefonte***	W. Br. Susq	.01	T.	....	....	.12	....	T.	.35	.24	....	T.	.18	.07	T.	.12	T.	T.	....	....	....	....	T.	....	....	....	....	.06	T.	.26	.31	....	1.72
Bethlehem	Lehigh	.02	T.	....	....	.03	.59	....	.09	.38	.03	....	.21	.05	.01	.09	.03	T.	....	....	....	....	T.	T.	T.	....	....	....	.02	....	.64	....	2.19
Bioserville‡‡	Lower Susq	....	.15	....	....	....	....	....	.30	.50	....	.60	.10	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.25	....	1.95
Buffalo Mills	Juniata	.04	....	....	....	....	.43	....	.55	.70	....	....	.16	.32	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	2.50
Carlisle	Lower Susq	.10	....	....	....	.05	.24	T.	.80	1.00	....	....	.23	.10	....	.05	.05	....	....	....	....	....	T.	....	....	....	....	....	.02	....	.43	....	3.07
Catawissa‡	N. Br. Susq	.05	....	....	....	.25	....	....	.78	.62	....	.03	.09	.07	.01	.18	.15	....	....	....	....	....	T.	....	....	....	....	.05	....	.50	.04	....	2.82
Center Hall	Susquehanna	.04	....	....	....	....	....	....	.58	.28	....	....	.08	....	.02	.05	.06	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	1.13
Chambersburg	Potomac	.05	....	....	....	.14	.24	....	.56	.57	T.	....	.31	....	....	T.	.02	....	....	....	....	....	....	....	....	....	....	....	T.	....	.48	....	2.37
Clearfield	W. Br. Susq	T.	....	....	....	.16	.04	T.	.30	.15	T.	....	.25	.17	....	.15	.07	.04	....	....	....	....	....	....	....	....	....	....	.50	.10	.15	....	2.08
Coatesville	Lower Del	.06	....	....	....	.43	.27	1.78	.68	.03	.02	.22	....	....	.12	T.	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	.91	....	4.57
Colebrook	Lower Susq	.10	....	....	....	.18	.16	T.	*	2.10	....	....	.24	T.	T.	.15	T.	....	....	....	....	T.	T.	....	....	....	....	....	T.	.71	.14	....	3.78
Conshohocken	Schuylkill	T.	....	....	....	.11	.47	....	.41	.65	....	T.	.12	.05	....	.03	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.37	....	2.21
Cresson‡	Juniata	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Doylestown	Lower Del	T.	....	....	....	....	.32	....	.17	.37	.01	T.	.17	.11	T.	.14	.03	.01	....	....	....	....	....	....	....	....	....	....	T.	....	.72	....	2.05
Emporium	W. Br. Susq	.15	....	....	....	.06	.05	....	.32	.30	....	....	.30	.12	T.	.15	.08	....	....	....	....	....	T.	....	....	....	....	T.	....	.28	.24	....	2.05
Ephrata	Lower Susq	.02	....	....	....	.13	.22	....	1.58	.42	T.	....	.20	....	.01	.10	T.	....	....	....	....	....	....	....	....	....	....	....	T.	....	.47	....	3.15
Forest City	N. Br. Susq	....	....	....	....	....	.15	....	....	.92	....	....	....	.45	.09	.15	....	.20	....	....	....	....	....	....	....	....	....	....	.14	....	.95	....	3.05
Freeland‖‖	Lehigh	.12	.06	....	....	T.	.19	....	T.	1.22	.24	....	.06	.09	.11	.07	.42	.21	....	....	....	....	....	T.	....	.01	....	....	.01	....	.96	....	3.77
Galeton	W. Br. Susq	.09	....	....	....	.20	....	....	.65	.75	....	....	.29	....	....	.33	.05	....	....	....	....	....	....	....	....	....	....	....	....	.10	.26	....	2.72
George School	Lower Del	.01	....	....	....	.05	.18	....	.23	.39	.05	.02	.08	.10	T.	.05	T.	T.	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	1.56
Gettysburg	Potomac	.06	....	....	....	.04	.34	T.	.65	.70	....	....	.28	.02	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	.32	....	2.58
Girardville‖‖	Lower Susq	.03	....	....	....	.21	....	....	1.05	.24	....	.11	.14	.04	.08	.21	.37	....	....	....	....	....	.03	....	....	....	....	....	....	.93	.04	....	3.48
Gordon	Lower Susq	.07	....	....	....	....	.19	....	.76	.74	.02	....	.27	.01	.10	.20	.09	.08	....	....	....	....	.01	....	....	....	....	....	....	....	.60	....	3.14
Gouldsboro‖	Lehigh	.03	.05	....	....	....	.10	....	....	.17	.05	....	.10	.10	....	....	.10	.50	....	....	....	....	....	....	....	....	....	....	....	....	.75	....	1.95
Graterford	Schuylkill	.02	....	....	....	.06	....	....	.72	.63	.04	....	.07	.02	.03	.06	T.	....	....	....	....	....	T.	....	....	....	....	....	....	....	.34	....	1.99
Hamburg	Schuylkill	....	....	....	....	.60	....	....	.60	.40	....	....	.30	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.70	....	2.70
Hanover	Lower Susq	.12	T.	T.	....	.02	.49	....	.87	.70	.01	....	.25	.01	T.	.03	T.	....	....	....	....	....	....	....	....	....	....	....	.01	....	.81	....	3.32
Harrisburg***	Lower Susq	.03	T.	....	....	.20	....	....	1.14	.75	....	.01	.20	.01	T.	.09	T.	....	....	....	....	....	T.	....	....	....	....	T.	....	.23	.03	....	2.69
Hawley‖‖	Upper Del	T.	.02	....	....	....	.06	....	....	.78	.50	....	.08	.19	.08	T.	.20	.08	T.	....	....	....	....	T.	....	T.	....	....	....	....	.73	....	2.72
Hollisterville	Upper Del	....	.09	T.	....	....	.14	....	....	1.12	.37	....	.04	.23	....	....	.35	.50	....	....	....	....	....	....	....	....	....	....	....	....	.65	....	3.49
Holtwood‖	Lower Susq	.08	.02	....	....	....	.64	....	1.12	1.61	.04	....	.08	....	....	T.	.04	T.	....	....	....	....	....	....	....	....	....	....	T.	....	.60	....	4.23
Huntingdon	Juniata	....	....	....	....	.07	.24	....	.54	.60	....	....	.35	.11	....	.13	T.	....	....	....	....	....	T.	....	....	....	....	.05	....	.18	.05	....	2.32
Hyndman	Potomac	.03	....	....	.05	.16	.34	T.	.70	.35	.02	....	.35	.03	....	....	....	.02	....	....	....	....	....	....	....	....	....	....	....	.03	.14	....	2.22
Kylertown	W. B. Susq	....	....	....	....	.03	.13	....	.23	.32	....	....	.18	.13	....	.13	.20	....	....	....	....	....	....	....	....	....	....	....	.25	.20	.27	....	2.07
Lakeville‖‖	Upper Del	....	.05	....	....	....	.11	....	....	1.34	.64	....	.11	.30	.10	....	.31	.13	.02	....	....	....	....	....	....	....	....	....	....	....	.53	....	3.61
Lancaster	Lower Susq	.05	....	....	....	.42	....	....	2.20	1.08	....	....	.18	....	.02	.08	T.	....	....	....	....	....	....	....	....	....	....	....	....	.65	....	....	4.68
Lansford‖‖	Lehigh	.09	.12	....	....	....	.20	....	T.	.60	.22	....	.16	.16	....	T.	.44	.13	....	....	....	....	....	....	....	....	....	....	.03	....	.60	....	2.75
Lawrenceville	N. Br. Susq	.08	T.	....	....	.10	.12	....	.32	.65	.06	....	.35	.20	....	.20	.20	.10	....	....	....	....	T.	....	....	....	....	....	.10	....	.62	....	3.10
Lebanon	Lower Susq	.03	....	....	....	.30	....	.60	1.38	.09	....	.10	.15	T.	....	.25	T.	....	....	....	....	....	....	....	....	....	....	.04	....	.73	T.	....	3.67
Lock Haven	W. Br. Susq	.06	.04	....	....	.02	.12	....	.50	.62	....	....	.22	.13	.03	.18	.08	....	....	....	....	....	.01	....	....	....	....	....	.06	....	.63	....	2.65
Marcus Hook	Lower Del	.01	....	....	....	*	.69	....	*	*	1.98	T.	*	.26	.02	.04	T.	....	....	....	....	....	T.	....	....	....	....	....	....	.45	T.	....	3.45
Matamoras‖‖	Upper Del	....	....	....	....	....	....	....	....	.41	.10	....	.56	.19	....	....	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	1.80
Mauch Chunk	Lehigh	.12	....	....	....	.16	.06	....	.27	.21	....	....	.34	....	....	.17	.04	.04	....	....	....	....	....	....	....	....	....	....	....	....	.60	....	2.01
Mifflin	Juniata	....	....	....	....	....	.15	....	.95	.72	....	....	.25	.12	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.32	....	2.51
Montrose	N. Br. Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Morris Run	N. Br. Susq	.06	....	....	....	.04	.18	....	.63	.72	.08	....	.26	.06	.05	.10	.30	.20	....	....	....	....	....	....	....	....	....	....	....	....	.70	....	3.38
Mount Pocono	Upper Del	.05	....	....	....	.06	.10	....	.09	.70	.16	.01	.36	.20	.03	.03	.10	.35	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	2.44
Muncy Valley	W. Br. Susq	T.	.08	....	....	T.	.11	....	.78	.59	....	....	.10	.17	....	.29	T.	.09	....	....	....	....	....	....	....	....	....	....	....	.29	.82	....	3.32
Neshaminy‖‖	Lower Del	T.	....	....	....	.34	.02	....	.69	.25	.05	.06	.16	.02	....	.08	.02	....	....	....	....	....	....	....	T.	....	....	....	....	.16	.41	....	2.26
New Park	Lower Susq	.10	....	....	....	.72	....	....	2.00	.93	....	....	.21	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.34	....	4.35
Newport‖‖	Juniata	.15	.02	....	....	....	.32	....	.38	1.15	.08	....	.13	.25	....	T.	.10	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	....	2.60
Palmerton‡	Lehigh	.05	....	....	....	.17	....	....	.13	.04	....	.06	.11	T.	T.	.10	.02	....	....	....	....	....	T.	....	....	....	....	T.	.03	.63	.13	....	1.47
Paupack‖‖	Upper Del	....	.05	....	....	....	.04	....	....	1.35	.36	....	*	.40	....	....	....	*	.13	....	....	....	....	....	....	....	....	....	....	....	.70	....	3.03
Philadelphia***	Lower Del	T.	....	T.	....	.51	.03	....	.79	.28	T.	.04	.12	....	T.	.04	T.	....	....	....	....	....	T.	....	....	....	....	....	....	.23	.08	....	2.12
Philadelphia-Gtn	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Phila. Navy Yard‖‖	....do	T.	T.	....	....	....	.57	....	T	1.26	.03	T	.06	.04	....	T.	T	T.	....	....	....	....	....	T	....	T.	....	....	....	....	.31	....	2.27
Phila-P'nt Breeze.‡	Lower Del	T.	....	....	....	.10	T.	T.	.47	.97	T.	T.	.10	T.	T	.03	T.	....	....	....	....	....	T.	....	....	....	....	T.	T.	....	.30	....	1.97
Phoenixville	Schuylkill	.07	....	....	....	.05	.43	....	.70	.93	.03	....	.14	T.	T.	.06	.10	....	....	....	....	....	....	....	....	....	....	....	T.	....	.70	....	3.21
Pine Grove	Lower Susq	.09	....	....	....	.45	....	....	1.00	.49	....	.04	.09	.06	.03	.07	.23	T	....	....	....	....	T.	....	....	....	....	.01	.04	.30	.21	....	3.11
Pleasant Mount	Upper Del	....	.38	....	....	.18	....	....	....	1.09	....	....	.41	....	....	....	.90	....	....	....	....	....	....	....	....	....	....	.29	....	1.20	....	....	4.45
Pottstown	Schuylkill	.02	T.	....	....	.26	T.	....	1.20	.36	.01	T.	.06	....	T.	.08	T.	....	....	....	....	T.	T.	....	....	....	....	T.	.01	.35	.05	....	2.40
Pottsville	Schuylkill	.12	....	....	T.	T.	.28	....	.75	.52	....	....	.27	....	....	.25	.01	....	....	....	....	....	....	....	....	....	....	....	....	....	.62	....	2.82
Quakertown	Lower Del	.05	....	....	....	.05	.49	....	.26	.55	.03	....	.23	.06	.02	.12	.07	.01	....	....	....	....	....	....	....	....	....	....	.05	....	.49	....	2.48
Reading***	Schuylkill	.02	T	....	....	.25	T.	....	1.24	.34	.01	T.	.08	....	T.	.09	T.	....	....	....	....	T.	T.	....	T.	....	....	T.	.02	.33	.06	....	2.44
Renovo.‖‖	W. Br. Susq	.03	.01	....	.15	....	....	....	.25	.95	.16	....	.07	.21	.02	T.	.17	.03	....	....	....	....	....	....	....	....	....	....	.05	....	.35	....	2.45
Retreat	N. Br. Susq	.18	.02	....	....	.02	.09	....	.52	.72	....	....	.27	.58	.02	.20	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	1.02	....	3.66
Scranton***	....do	.08	.02	....	....	.09	....	....	.84	.56	....	.01	.17	.03	T.	.21	.30	.07	....	....	....	....	T.	T.	T.	....	....	T.	T.	.57	.55	....	3.50
Selinsgrove	Lower Susq	.11	....	....	....	.10	.06	....	.86	.59	....	....	.15	.06	.03	.14	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	2.62
Shawmont	Schuylkill	.02	....	....	....	.10	.40	....	.56	.76	.01	T.	.12	.12	....	.04	T.	T.	....	....	....	....	....	....	....	....	....	....	....	....	.77	....	2.90
Shippensburg	Lower Susq	.07	T.	....	....	T.	.25	....	.84	.71	T.	....	.32	.10	....	.10	.03	T.	....	....	....	....	....	....	....	....	....	....	.02	....	.36	....	2.80
Snow Hill‡‡	Upper Del	....	....	....	....	.06	....	....	....	.70	....	....	.38	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	.42	....	....	1.66
State College	W. Br. Susq	T.	T.	....	....	.12	.07	....	.45	.28	T.	T.	.37	.14	T.	.18	T.	T.	....	....	....	....	T.	....	....	....	....	....	.17	.33	.13	....	2.24
Stroudsburg‖‖	Upper Del	.77	....	....	....	....	.22	....	.23	.91	.12	.08	.19	.13	....	....	.02	.02	....	....	....	....	....	....	....	....	....	....	.05	....	.46	....	3.20
Sunbury	Lower Susq	.14	.09	....	....	....	.22	....	.05	.83	.36	....	.02	.22	.03	T.	.29	T.	....	....	....	....	....	T.	....	....	....	....	.20	....	.46	....	2.91
Susquehanna	N. Br. Susq	.03	.12	....	....	....	.25	....	....	.41	.37	....	T.	.08	.07	T.	.32	.39	.07	....	....	....	....	....	....	....	....	....	.18	....	.98	....	3.27
Towanda	....do	.12	.02	T.	....	.20	.05	....	.84	1.09	.01	....	.07	.13	.05	.13	.10	.01	....	....	....	....	.01	.02	T.	....	....	.04	.03	.30	.52	....	3.74
Weikert	Lower Susq	....	....	....	....	....	.20	....	.90	.74	.10	....	.26	....	....	.15	.05	....	....	....	....	....	....	....	....	....	....	.05	....	.56	....	....	3.01
Wellsboro	W. Br. Susq	.08	....	T.	....	.14	....	....	.64	.54	T.	....	T.	.02	....	.07	.05	....	....	....	....	....	....	....	....	....	....	T.	....	.34	.15	....	2.03
West Chester	Lower Del	.09	....	....	....	.30	.44	....	1.06	1.15	.08	T.	.22	.08	....	.16	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.65	....	4.23
Westgrove‖‖	....do	.02	....	.05	.03	....	.63	....	.22	1.40	.12	.02	....	T.	T	T.	.09	....	....	....	....	....	....	....	....	....	....	T.	....	....	.70	....	3.28
Wilkes-Barre‖‖	N. Br. Susq	.03	.14	T.	....	....	.08	....	T	.50	.29	....	T.	.15	....	....	.20	.10	....	....	....	....	....	T.	....	....	....	....	T.	....	1.20	....	2.69
Williamsport‖‖	W. Br. Susq	.07	.04	....	....	....	.10	....	.29	1.20	.08	....	.10	.29	.14	....	.23	.02	....	....	....	....	....	....	....	....	....	....	.02	....	.63	....	3.21
Williamstown	Susquehanna	.07	....	....	....	....	.30	....	.55	.91	.06	....	.15	.04	.05	.11	T.	T.	....	....	....	....	....	....	....	....	....	....	T.	....	.57	....	2.81
York	Lower Susq	.11	....	....	....	.08	.46	....	1.08	.95	.02	....	.18	.02	....	.04	T.	....	....	....	....	....	....	....	....	....	....	....	.02	....	.88	....	3.84
York Haven‖‖	Lower Susq	.13	.03	....	....	.45	....	....	.40	1.28	.04	....	.11	.08	....	....	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	.75	....	3.42
Zionsville..(near).	Schuylkill	.10	.02	....	....	.14	.44	....	.40	.50	.05	....	.25	.05	....	....	.05	.02	....	....	....	....	....	....	....	....	....	....	....	....	.55	....	2.57
Trenton, N. J***	Lower Del	.01	....	....	....	.23	.02	....	.42	.22	.02	.06	.10	.02	T.	.07	T.	T.	....	....	....	....	T.	....	T.	....	....	....	T.	.13	.16	....	1.46

Continued on page 15.

Daily Precipitation for April, 1935—Continued from page 18

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	T.	.01			.01	.24		.39	.18	.02		.31	.03	T.	.01	.03	T.											.24		.37		1.84
Beaver Falls‖‖	Beaver	T.	.01			T.	.18		.39	.16	.02		.21	.10	T.	.01	.04	.01											.16		.34		1.63
Bradford	Allegheny	.05	.02			.03	T.		.09	.16			.20	T	T.	.16	.14	T.										T.	.19	.21	.30		1.55
Brookville	...do		.04	T.		.20	.03		.20	.27			.14	.12		.02	.17												.12		.30		1.61
Butler	Ohio	.04					.19		.60		.15		.43	.25	.09	.10														.09	.43		2.37
Chambersville	Allegheny					1.14	.12		.64	.12			.34	.29		.06	.03												.16	.09	.30		3.29
Clairton‡	Monongahela			.03		.44		.20	.19	.06		.05	.87	.13		.05												.10	.07	.37	.15		2.71
Claysville	Ohio	.02		.02		.13	.27	.15	.43	.16	.02	.01	.43	.14	.07	.08	.05											T.	.13	.66	.46		3.23
Clymer‡‡	Conemaugh																																
Confluence‖‖	Youghiogheny			.07			.40		.45	.28			.22	.40																	.85		2.67
Corry	Allegheny	.03	.03			.07	.02		.17	.07			.49			.17	.10	.03											.17	.21			1.56
Derry	Conemaugh			T.		.25	.13	.15	.47	.03			.34	.24	.02	.09	.05												.32	.20	.33		2.62
Donora‖‖	Monongahela			.02			.24	.01	.35	.26	.01		.36	.46	.05	.04	T.												.05		.46		2.31
Ebensburg	Conemaugh					T.	.17		.25	.38			.26	.23		.13	T.												.02	.05	.20		1.69
Elk Lick	Youghiogheny																																
Franklin‖‖	Allegheny						.03		.21	.07			.19	.06		.03	.14												.24		.28		1.25
Greensboro	Monongahela	T.	T.	.02			.38	.04	.46	.21	.01		.30	.51	.17		.15	T.											.14		.60		2.99
Greensburg	Youghiogheny	T.		.05		.35	.11	.06	.57	.03		T.	.51	.40	.02	.09	.10	T.											.15	.15	.25		2.84
Greenville	Beaver	T				T.	.01		.30	T.			.37	.10		.11	.02	.05										T.	.04	.10	.35		1.45
Grove City	...do	T.	T.			.01	.01		.29	.07	.01		.24	.11	T.	.10	.09											.25	.12	.13	.16		1.59
Herrs Isl. Dam‖‖	Ohio		T.			T.	.23		.26	.21	.01		.44	.30	.04	T.	.07	.03											.05		.44		2.08
Irwin	Monongahela	.02				.34	.12	.02	.58	.10	.04		.68	.40	.02	.08	.02												.39	.24	.40		3.45
Johnstown	Conemaugh	T.		.03		.37	.10	.04	.40	.06		.07	.34	.17	.01	.13	.15	T.											.27	.09	.35		2.58
Kane (near) ‡‡	Allegheny	T.	.03				.05		.37	.17			.34	.03		.20	.18											T	.18	T.	.47		2.02
Kregar‖‖	Youghiogheny	.05	.01			.18		.40	.23	.02		.13	.64	.10		.12	.08											.16		.64			2.76
Lake Lynn‖‖	Monongahela	.02		.07			.45	.02	.42	.08			.26	.49	.17		.14	.02											.15		.66		2.95
Linesville‖‖	Beaver																																
Lock No. 2‖‖	Ohio						.31		.27	.21	T.		.25	.22	.01	T.	.03												.03		.51		1.84
Lock No. 4 ‖‖	Monongahela	T.	.02			.20	T.	.32	.30	.01		.30	.38	.04		.10	T.												.09		.52		2.28
Lock No. 5‡‡‖‖	Allegheny	T.	T.			T.	.20		.29	.25	.02		.25	.67	.01	T.	.05	.01											.21		.45		2.41
Lycippus	Conemaugh			.05		.10	.15	T.	.50	.05	T.		.36	.44	.04	.13	1.15											T.		.37	.30		3.64
McKeesport‖‖	Monongahela		T.	T.			.21		.25	.25	T.		.31	.80	.01	.01	.02	.01											.09		.44		2.40
Meadville	Allegheny					.01	.05		.11	.04			.33	.12	.50	.14	.07											.04	.12	.13	.37		2.03
Mosgrove	...do	T.	T.			T.	.14		.69	.10	T.		.15	.26	T.	T.	.11	.02											.12		.45		2.04
Mount Lebanon	Ohio					.31		.23	.32	T.		.02	.72	.13	T.	.03	T.											.03		.45			2.24
Natrona‖‖	Allegheny	.03	.01			T.	.27		.32	.19	.02		.22	.60	.01	T.	.05	.02											.08		.44		2.26
New Castle‖‖	Beaver	T.	.04	T.		.01	.05		.40	.14	.04	T.	.33	.03	.02	.04	.03	.02											.48	T.	.33		1.96
Newell	Monongahela						.40		.25	.18	.03		.41	.14				.03													.40		1.84
Parkers Landing‖‖	Allegheny	T.	T.				.03		.38	.08	T.		.25	.15	T.	T.	.08	T.											.09		.60		1.66
Pennline‖‖‡‡	Beaver		.03				T.		.15	.04			.35	.12		.09	.06													.13	.37		1.34
Pittsburgh***	Ohio	T.	T.			.25		.22	.25	.01		.03	.52	.06		.02	T.											.03	.01	.33	.18		1.91
Punxsutawney‖‖	Allegheny																																
Ridgway	...do		.07				.07		.27	.10			.18	.06			.32	.04											.09		.43		1.63
Saltsburg‖‖	Conemaugh						.13		.20	.23			.21	.40		T.	.06	.02													.28		1.53
Sharon‖‖	Beaver		.02						.23	.05	T		.31	.08		.13	.02	.01											.02		.28		1.15
Smethport	Allegheny		T.						.30	.25			T.	T.		T.	.35	T.											.10		.40		1.40
Somerset	Youghiogheny					.05	.34	.01	.55	.04			.28	.19	.01	.08	.07	.03											.06	.13	.37		2.21
Springdale‖‖	Allegheny	T.					T.		.33	.08	T.		.20	.66	.01	T.	.05	T											.05		.70		2.08
Uniontown	Monongahela	T.		.03		.20	.27	.08	.59	.02		.06	.46	.53	.07	.15	.12												.11	.22	.47		3.38
Unity Reservoir‡‡	Youghiogheny			.08		.30	.10	.10	.63	T.			.43	.45		.12	.23	T.											.13	.14	.29		3.00
Vandergrift‡	Conemaugh					.26		.30	.33	.05		.04	.95		.12	.10	.01													.55	.20		2.91
Warren	Allegheny		.10				.11		.30				.16			.40	.11											.10	.04	.18	.16		1.66
Waynesburg	Monongahela	.06				.12	.24	.16	.64	.17		.06	.42	.18		.10	.04												.06	.20	.45		2.90
Westford‖‖	Beaver					.04		.20	.05			.25	.16			.20	.06											.20	.48				1.64
West Newton‖‖	Youghiogheny						.18		.27	.28	.02		.18	.58	.03	T.		.03											.02		.40		1.99
Lake Drainage.																																	
Erie***	Lake Erie	.02	.01			.04			.18	T.			.35	.06		.05	T.							T.					.06		.27	.13		1.17

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.96	30.24	26	29.42	15	12.3	40	w.	15	78	65	72	52
Harrisburg	29.91	30.23	11	29.48	15	8.5	29	nw.	30	68	52	56	52
Philadelphia	29.91	30.22	4	29.43	15	14.3	43	e.	8	62	48	57	50
Pittsburgh	29.95	30.28	26	29.52	15	10.6	38	w.	15	75	56	66	42
Reading	29.91	30.22	26	29.43	15	12.7	43	nw.	30	62	51	55	47
Scranton	29.92	30.22	4	29.46	15	7.4	33	nw.	30	69	49	57	47

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.2	4.7	17	3.6	9	18
Phillipsburg	Delaware	4.2	4.9	14	3.4	29	22
Lehighton	Lehigh	3.7	4.0	15	3.2	1	17
Wilkes-Barre	Susquehanna	9.6	15.8	13	5.8	29	20
Williamsport	Susquehanna	4.7	7.7	13	2.7	29	20
Harrisburg	Susquehanna	6.4	9.4	14	4.9	29	17
Greensboro	Monongahela	13.8	19.5	8	10.9	28	30
West Newton	Youghiogheny	2.3	5.7	14	1.1	30	20
Lock No. 4	Monongahela	14.8	18.9	9	11.4	29	30
Pittsburgh	Ohio		15.7	14	10.9	29	25
Beaver Dam	Ohio		14.4	15	9.0	27	30

*—Pool stage.

Daily Temperatures for April, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	44	59	62	65	61	51	51	42	42	49	53	41	46	55	59	40	53	53	68	70	66	62	69	69	67	76	87	79	80	60	....	58.4
	Minimum	37	39	39	35	34	34	34	34	34	37	37	37	37	40	32	29	30	38	36	36	41	44	40	46	40	37	43	60	61	65	....	38.8
Altoona	Maximum	44	51	52	52	55	44	46	42	42	53	55	48	44	55	51	33	60	59	68	69	63	58	62	68	71	77	85	74	76	60	....	56.9
	Minimum	33	42	32	32	32	34	31	30	32	34	38	34	38	35	33	18	29	33	35	35	37	34	35	37	36	33	46	67	44	41	...	35.8
Bedford	Maximum	49	55	54	56	54	44	43	41	41	53	54	49	45	56	66	40	48	68	71	69	64	65	71	72	74	80	88	78	80	64	....	59.4
	Minimum	36	43	36	28	31	37	35	31	32	35	41	36	39	38	35	20	30	33	38	38	35	42	33	33	36	30	36	61	42	43	....	36.1
Bellefonte	Maximum	42	49	61	64	48	48	60	35	39	49	66	40	43	58	49	33	53	62	67	69	65	51	63	67	68	77	84	74	75	57	....	65.9
	Minimum	35	35	28	31	28	34	31	30	32	33	32	36	36	35	28	20	32	36	33	29	34	37	34	33	32	28	37	51	42	41	....	33.4
Brookville	Maximum	55	51	44	50	60	47	40	52	36	43	55	59	42	41	58	45	33	48	60	65	61	63	69	48	63	68	77	84	77	82	....	55.9
	Minimum	35	37	24	26	27	32	30	30	32	29	31	35	37	35	25	17	22	31	27	25	24	27	28	31	29	24	29	44	38	37	....	29.9
Butler	Maximum	49	49	47	57	47	47	47	35	44	50	57	53	45	58	67	35	43	67	62	66	68	65	64	68	70	78	82	84	70	68	....	57.7
	Minimum	36	37	27	30	31	33	31	31	30	35	33	38	37	33	31	17	22	31	32	29	32	32	49	33	30	27	35	40	39	40	....	32.7
Carlisle	Maximum	50	59	60	55	54	47	47	47	42	56	59	50	46	61	49	45	60	64	72	75	76	66	72	75	76	82	91	84	81	72	....	62.4
	Minimum	37	39	39	35	30	37	32	35	32	38	41	38	39	40	31	26	34	39	36	38	44	46	37	39	39	32	39	60	46	50	....	38.3
Catawissa	Maximum	43	55	58	52	55	50	58	48	42	60	56	53	46	57	60	45	57	62	70	75	71	65	67	72	71	80	89	79	81	76	....	61.7
	Minimum	36	33	38	39	35	30	32	33	34	32	34	37	36	41	28	26	36	38	34	37	31	33	31	34	32	31	38	49	47	49	....	35.5
Chambersburg	Maximum	43	61	59	54	50	45	45	43	43	52	58	49	49	61	55	42	59	63	72	73	66	62	67	74	75	77	89	81	82	71	....	60.7
	Minimum	35	40	40	36	33	36	36	31	32	36	41	38	39	40	38	24	34	38	39	41	48	38	41	39	38	33	41	61	47	49	....	38.7
Chambersville	Maximum	55	55	52	60	56	48	48	35	41	54	55	52	48	58	52	31	50	60	66	69	68	61	64	69	71	77	86	77	81	58	....	58.6
	Minimum	35	39	27	31	33	34	31	31	31	33	39	37	35	34	28	16	29	32	31	29	35	28	38	33	29	27	36	54	43	41	....	33.3
Claysville	Maximum	56	56	55	62	62	50	48	39	46	50	56	55	48	62	62	37	47	60	69	72	70	62	65	70	73	83	85	76	75	60	....	60.4
	Minimum	41	42	33	33	33	41	37	32	32	37	40	41	36	35	35	16	30	26	34	39	38	31	30	36	32	32	47	53	46	42	....	36.0
Clearfield	Maximum	47	47	54	57	47	52	51	48	45	52	58	51	43	41	57	53	52	62	70	71	73	70	65	70	73	81	85	76	75	62	....	69.6
	Minimum	34	39	27	43	35	37	39	35	32	36	35	34	37	33	27	18	29	30	31	32	31	37	34	32	29	27	32	54	38	40	....	33.9
Coatesville	Maximum	42	64	66	56	53	50	48	43	41	46	54	42	50	56	65	42	58	57	67	71	59	64	67	72	69	74	85	81	82	65	....	59.3
	Minimum	36	39	40	33	29	34	36	34	34	36	38	37	38	38	34	29	32	41	37	41	47	45	41	46	43	40	45	60	53	50	....	39.5
Corry	Maximum	44	42	46	52	43	49	51	37	42	54	60	53	52	54	38	30	40	55	54	43	65	48	57	64	62	78	82	66	72	55	....	52.9
	Minimum	37	31	29	28	29	26	25	29	31	32	32	32	32	33	28	12	28	27	27	34	36	37	33	39	33	28	42	51	36	34	....	31.7
Emporium	Maximum	43	45	49	58	48	48	51	44	46	52	56	50	42	57	45	34	48	59	65	67	65	55	61	65	65	77	84	74	75	68	....	56.2
	Minimum	36	37	30	31	31	33	31	32	32	39	39	38	38	38	27	21	33	31	29	28	30	32	35	33	29	26	32	59	41	42	...	33.8
Erie	Maximum	39	39	39	43	38	42	42	39	44	50	62	49	39	51	52	33	40	51	58	59	55	48	56	59	59	72	82	59	70	46	....	50.5
	Minimum	33	34	34	34	34	31	30	34	34	36	42	36	35	37	25	23	32	32	38	40	40	39	42	44	40	43	56	48	44	39	....	37.0
Franklin	Maximum	52	43	50	60	50	59	58	39	46	62	61	46	44	63	43	35	43	59	66	69	65	50	66	67	68	83	86	75	76	57	....	68.0
	Minimum	36	36	27	29	31	32	31	33	34	30	35	38	36	36	31	19	25	31	29	29	32	33	39	39	31	29	36	49	41	42	....	33.3
Freeland	Maximum	38	53	44	53	44	45	51	43	33	39	52	37	36	45	55	33	39	49	62	65	64	55	59	64	57	69	86	75	73	63	....	52.7
	Minimum	29	33	28	28	32	27	24	29	30	29	32	29	31	31	32	20	24	31	33	39	41	34	35	43	39	35	55	54	46	39	....	33.7
Gettysburg	Maximum	41	63	57	55	50	45	49	44	43	52	60	49	50	59	58	47	57	62	71	73	67	64	67	73	73	77	88	83	81	67	...	60.8
	Minimum	35	40	41	36	33	37	37	32	33	37	42	38	39	41	36	26	34	37	39	46	49	42	41	42	45	37	47	63	50	51	....	40.2
Greensburg	Maximum	60	55	52	60	58	50	47	39	43	55	60	53	50	59	53	36	50	59	65	70	66	60	61	68	71	77	84	74	79	64	....	59.3
	Minimum	40	43	34	33	37	36	35	29	32	35	32	38	37	34	36	19	27	31	36	41	40	34	42	37	36	33	46	55	47	42	....	36.6
Grove City	Maximum	51	47	49	59	55	45	51	47	46	58	56	53	48	58	56	31	44	58	64	68	65	60	63	68	66	83	81	70	72	57	....	57.6
	Minimum	35	34	29	30	33	31	30	31	30	31	37	35	36	34	28	22	31	29	34	35	35	32	40	40	38	35	55	52	47	39	....	34.9
Hamburg	Maximum	56	63	54	56	57	50	52	43	48	48	53	46	49	56	54	38	52	56	67	71	70	56	64	70	69	76	87	90	86	75	....	60.4
	Minimum	36	38	38	32	34	35	34	32	33	37	38	35	38	38	29	25	30	38	33	33	42	38	39	38	36	32	38	56	47	46	....	36.6
Harrisburg	Maximum	41	58	56	52	47	48	49	43	42	51	54	42	49	59	56	38	56	60	69	70	63	59	67	70	70	78	86	77	77	60	....	58.0
	Minimum	36	41	40	38	36	38	36	32	32	40	39	37	40	42	36	27	38	41	41	43	48	48	46	46	45	42	50	61	54	46	....	41.3
Hawley	Maximum	42	45	47	47	47	49	55	47	38	48	51	45	41	47	60	36	36	49	63	66	66	61	62	66	63	71	85	80	75	65	....	55.1
	Minimum	33	34	28	21	26	30	25	31	31	32	25	32	32	34	26	22	28	33	23	27	30	32	30	34	28	35	32	57	38	45	....	31.1
Huntingdon	Maximum	47	55	56	55	47	48	50	41	45	54	58	42	47	60	49	41	55	62	70	73	70	67	66	72	73	80	88	78	79	58	....	59.5
	Minimum	36	41	36	32	30	32	35	32	33	37	37	38	39	40	30	23	34	38	34	32	36	40	40	33	32	28	34	56	42	46	....	35.9
Johnstown	Maximum	54	56	56	60	59	46	48	38	42	58	57	48	45	58	50	35	47	61	68	73	67	56	65	72	74	81	86	75	80	61	....	59.2
	Minimum	37	46	36	34	36	38	35	33	33	38	42	38	39	37	34	21	31	35	37	41	39	35	43	35	36	33	39	54	44	43	....	37.4
Lancaster	Maximum	42	58	60	57	56	49	50	51	39	48	46	47	47	57	62	50	57	60	69	73	68	63	68	69	72	76	87	86	80	77	....	60.8
	Minimum	36	39	39	31	29	36	36	32	32	37	36	36	39	39	29	27	31	39	33	35	41	40	36	40	34	31	36	60	45	51	....	36.8
Lawrenceville	Maximum	42	47	48	57	50	50	50	46	38	46	56	51	43	55	53	36	43	55	64	67	65	57	60	65	62	77	88	82	78	72	....	56.8
	Minimum	35	37	30	26	30	27	27	32	31	34	32	35	33	35	27	23	30	33	27	29	30	28	37	35	29	27	34	52	40	41	....	32.2
Lebanon	Maximum	43	60	56	56	49	50	52	38	42	50	55	43	47	59	61	42	57	60	70	73	64	62	69	74	70	77	88	80	79	62	....	59.6
	Minimum	37	37	39	36	33	36	35	32	33	37	39	37	37	39	42	27	27	39	35	37	44	46	36	44	37	34	43	59	54	51	....	38.7
Marcus Hook	Maximum	65	63	56	54	47	49	....	....	....	....	....	....	....	....	....	....	....	69	74	73	67	69	71	71	74	82	84	83	77	64	....	......
	Minimum	41	43	39	37	37	38	....	....	....	....	....	....	....	....	....	....	....	43	49	53	50	46	48	50	46	56	65	58	56	45	....	......
Meadville	Maximum	50	48	45	52	48	53	53	53	48	58	60	58	46	58	56	81	39	54	62	64	64	59	63	65	66	79	82	69	74	66	....	57.1
	Minimum	36	34	31	30	32	32	30	34	34	32	38	39	34	35	28	18	29	30	32	31	32	35	40	34	33	32	57	52	41	38	....	34.4
Mifflin	Maximum	42	59	59	60	55	51	50	50	45	60	59	54	50	54	55	44	59	64	73	76	78	76	72	74	76	81	91	89	88	78	....	64.1
	Minimum	37	39	36	34	30	38	33	32	33	36	39	37	38	40	32	25	32	39	35	34	36	38	36	37	35	29	36	57	45	47	....	36.5
Mount Pocono	Maximum	38	42	46	48	43	45	50	42	36	42	42	35	37	46	63	36	35	47	62	65	65	67	62	64	58	68	86	75	66	55	....	51.4
	Minimum	30	28	26	26	26	25	23	26	28	30	32	33	31	33	30	20	21	31	30	32	33	30	32	35	32	28	42	50	40	38	....	30.7
Muncy Valley	Maximum	39	52	46	50	48	46	43	51	41	45	56	49	41	55	53	38	49	53	66	67	64	57	60	66	63	83	81	80	72	49	....	55.4
	Minimum	33	36	27	27	28	31	27	33	31	34	30	34	32	35	25	24	27	30	27	29	46	33	31	34	28	26	33	40	43	33	....	31.6
Philadelphia	Maximum	45	65	55	56	54	50	46	41	44	46	49	44	52	54	65	39	56	58	69	72	62	64	69	70	69	75	83	79	78	63	....	59.1
	Minimum	40	41	42	41	39	37	38	37	38	39	39	39	40	41	39	32	39	45	47	52	50	50	47	53	52	47	51	64	58	49	....	44.2
Pittsburgh	Maximum	56	54	52	62	55	50	49	42	48	55	57	55	46	61	52	35	48	62	67	71	67	51	62	71	71	79	86	77	76	56	....	59.1
	Minimum	42	40	38	37	41	39	36	35	38	41	44	44	39	39	26	23	34	35	42	44	47	39	47	45	45	42	49	58	54	45	....	40.9
Quakertown	Maximum	45	60	54	54	50	51	50	48	40	46	51	42	49	51	62	42	53	56	66	69	67	61	65	68	65	73	83	78	76	72	....	58.2
	Minimum	36	39	38	29	27	33	34	34	35	37	34	36	37	38	28	28	30	39	34	42	39	42	40	43	32	30	37	57	49	52	....	37.0
Reading	Maximum	45	58	55	57	52	53	52	41	43	50	52	42	47	56	65	38	55	57	68	71	65	60	64	68	65	74	86	78	77	60	....	58.5
	Minimum	38	40	41	38	38	35	35	34	37	38	38	36	39	41	36	27	38	42	44	46	52	48	43	50	48	44	58	64	57	46	....	42.4
Ridgway	Maximum	45	42	48	62	47	50	52	36	49	57	58	40	40	57	45	33	46	60	65	67	66	48	61	66	67	86	83	76	76	51	....	56.0
	Minimum	34	37	28	28	28	32	29	31	32	26	35	35	36	35	25	18	22	33	28	26	29	30	32	31	27	25	32	43	37	42	....	30.9
Scranton	Maximum	46	48	45	52	48	46	53	40	40	48	54	41	41	53	61	35	40	51	63	66	64	55	61	64	60	72	86	77	77	57	....	54.8
	Minimum	38	39	34	32	34	34	31	33	33	37	38	37	38	38	33	27	32	38	33	35	38	41	43	41	38	34	42	56	46	45	....	37.3
Selinsgrove	Maximum	41	56	54	55	52	51	52	53	40	50	57	49	46	59	56	50	57	58	69	66	67	62	66	67	67	70	78	80	85	78	....	59.7
	Minimum	35	40	46	46	33	36	33	31	33	38	46	37	38	40	29	31	34	38	34	35	38	41	40	34	28	39	38	40	45	40	....	37.2
Somerset	Maximum	56	53	48	56	55	45	40	33	39	51	49	46	42	52	51	31	42	52	60	64	63	58	58	64	65	75	81	70	73	56	....	54.3
	Minimum	33	41	33	25	35	34	31	27	28	32	37	34	35	32	31	15	25	30	30	35	30	25	36	26	25	22	31	54	34	37	....	31.4
State College	Maximum	52	52	51	54	48	49	50	38	40	50	56	48	45	58	50	33	53	61	68	70	66	56	62	68	69	78	86	75	76	60	....	57.4
	Minimum	33	39	29	34	31	32	29	31	31	33	36	34	35	35	31	19	30	34	37	35	38	38	36	38	38	34	45	55	45	43	....	35.3
Stroudsburg	Maximum	52	55	49	51	48	51	53	42	42	48	52	40	54	52	63	38	46	60	62	58	63	58	60	65	62	74	86	78	75	73	....	57.0
	Minimum	30	35	35	29	27	32	30	35	32	38	32	35	35	35	30	28	30	38	28	34	29	40	30	32	31	30	35	60	45	50	....	34.3
Towanda	Maximum	42	47	46	52	44	46	50	42	39	46	55	44	40	54	54	34	42	54	64	69	65	51	62	65	61	74	87	75	78	66	....	54.9
	Minimum	36	36	30	26	31	31	28	32	32	34	31	36	35	36	26	25	32	36	28	29	33	33	38	36	33	28	34	56	41	43	....	33.5
Uniontown	Maximum	61	57	56	63	59	53	47	38	44	53	56	56	53	59	56	38	48	60	67	72	68	61	61	69	73	80	85	78	80	61	....	60.4
	Minimum	44	48	38	35	39	42	38	34	34	38	43	43	39	37	38	20	32	33	36	45	43	32	39	35	34	35	47	57	47	43	....	38.9
Vandergrift	Maximum	57	54	52	62	58	50	50	39	46	56	58	51	45	63	52	38	52	62	66	70	68	51	63	71	73	79	84	79	80	56	....	59.5
	Minimum	39	37	32	32	36	37	35	34	34	34	43	41	40	38	28	22	34	35	35	35	34	35	42	37	35	32	40	58	46	44	....	36.6
Warren	Maximum	48	48	42	45	50	48	48	37	38	52	57	50	42	49	42	35	38	47	54	66	59	46	56	61	63	70	73	67	70	56	....	51.6
	Minimum	37	35	33	30	31	30	27	32	34	32	39	40	34	35	29	22	28	32	34	33	32	38	37	35	38	32	39	52	44	35	....	34.3
Waynesburg	Maximum	61	55	55	63	57	50	48	40	45	51	58	54	48	59	54	37	46	59	67	71	67	60	63	70	71	82	83	76	77	60	....	59.6
	Minimum	43	44	37	35	35	40	38	33	33	37	39	42	38	36	36	18	32	30	35	44	40	33	35	36	34	33	44	56	45	42	....	37.4
Wellsboro	Maximum	38	44	46	55	44	45	47	41	40	45	57	47	46	57	50	35	48	54	65	65	63	59	61	65	62	75	87	75	72	57	....	54.8
	Minimum	32	36	27	24	28	26	24	29	28	32	27	31	32	33	23	18	13	31	25	26	27	26	34	31	33	24	31	63	39	39	....	29.4
Williamsport	Maximum	41	55	54	53	53	49	53	47	40	47	51	51	44	61	60	41	56	56	66	72	69	67	64	65	59	73	70	65	66	65	....	57.1
	Minimum	36	40	34	32	34	35	32	32	32	38	34	37	37	39	29	27	33	38	34	35	37	41	37	40	38	32	39	59	45	44	....	36.7
Williamstown	Maximum	45	55	53	56	51	49	64	54	37	47	53	46	41	55	56	44	50	57	67	71	65	59	64	67	68	75	87	82	75	72	....	58.5
	Minimum	33	34	33	32	33	32	29	28	30	32	36	32	34	35	32	21	25	35	38	40	42	41	37	46	45	40	56	53	60	42	....	36.5
York	Maximum	42	64	57	58	52	49	48	47	42	61	65	49	49	60	64	47	59	62	73	74	74	64	66	73	70	77	90	85	81	79	....	62.0
	Minimum	37	40	40	35	30	37	38	33	33	38	40	38	40	40	33	27	34	40	33	36	44	35	34	36	34	33	46	59	44	52	....	38.0

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CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XL. MAY, 1935. No. 5.

GENERAL SUMMARY.

Temperatures during May were almost constantly below the normal up to the 25th inclusive, after which there was a moderate temperature excess. Frost occurred on several dates in practically all parts of the State, but did not kill much vegetation. The most general frost occurred on the 24th, and at first it was thought that the damage was heavy, but later reports were more favorable. The rainfall was above the normal in the western half of the State excepting the northern tier of counties, and was below the normal in all of the eastern half of the State, where a moderate drought condition was developing at the close of the month. Low temperatures and a cold soil resulted in poor germination of seeds, and a slow growth of vegetation, which was still further aggravated in the eastern half of the State by the deficiency in moisture. Corn planting made little progress for the first three weeks, and then was rushed through near the close of the month, and was mostly finished in the southern counties. Earlier planting would probably have resulted in more replanting, and would have been of little advantage. The conditions were mostly favorable for winter wheat, which does not need high temperatures, and which made good progress. It was generally looking good at the close of the month with a rank growth of straw in some of the western counties. Rye was coming into bloom in the southern part of the State, and was looking good, the straw being both tall and strong. Oats was mostly healthy but backward. Pastures and meadows were in good condition, but were growing slowly in the eastern portion of the State. Truck crops seemed to be hardest hit by the low temperatures, and their growth was very slow. The orchard fruits were more or less uncertatn. It was generally known that there was considerable frost damage in a few local regions, but the real extent of that damage was hard to determine. Some of the best orchard regions reported little frost damage, and the fruit outlook good. The tobacco crop was late, and the condition of the plants none too good. Streams in the western half of the State were at good stages throughout the month, but the Delaware Drainage Basin was generally low. Sunshine was ample during the month, and helped to maintain a heathly condition of vegetation that was growing slowly.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 87 stations, was 56.0°, which is 3.4° below the normal for May. The highest monthly mean was 63.0°, at Marcus Hook, and the lowest was 47.4° at Gouldsboro. The highest temperature recorded during the month was 92° at Phœnixville on the 28th and 29th. The lowest temperature recorded was 21°, at Bellefonte on the 24th. The greatest daily range in temperature was 50°, at Lawrenceville on the 26th and at Mauch Chunk on the 27th.

PRECIPITATION.

The average precipitation for the State, based on the reports from 136 well-distributed stations, was 3.00 inches, which is 0.90 inch less than the normal for May. The greatest monthly amount was 6.09 inches at Lycippus, while the least, 0.76 inch, was reported from Mt. Pocono. The greatest amount recorded in any 24 consecutive hours was 2.10 inches at Bellefonte on the 12-13th.

The normal snowfall for May is trace, but no station reported any during the month.

COMPARATIVE DATA FOR MAY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	57.3	−2.1	91	24	4.24	+0.34	8.41	2.26	T.	16	4	11	16
1889	60.4	+1.0	96	25	5.91	+2.01	12.41	2.51	0	11	11	9	11
1890	58.5	−0.9	89	23	6.71	+2.81	12.41	2.96	0	15	7	11	13
1891	57.3	−2.1	93	20	2.12	−1.78	4.41	0.31	0.2	8	10	10	11
1892	58.5	−0.9	91	28	5.70	+1.80	9.30	3.77	0	16	7	10	14
1893	57.9	−1.5	93	26	5.54	+1.64	9.20	2.92	0	12	11	8	12
1894	60.8	+1.4	92	27	8.88	+4.98	15.02	2.72	0	16	9	8	14
1895	60.6	+1.2	102	22	2.68	−1.22	6.46	0.86	0	9	13	10	8
1896	65.4	+6.0	98	31	2.85	−1.05	6.30	1.19	0	10	10	12	9
1897	57.7	−1.7	88	25	5.24	+1.34	10.05	1.71	T.	12	11	10	10
1898	60.0	+0.6	94	22	5.11	+1.21	10.15	2.79	0	15	8	9	14
1899	61.1	+1.7	100	24	3.82	−0.08	6.40	1.15	0	11	10	11	10
1900	60.4	+1.0	96	20	2.79	−1.11	7.63	0.72	T.	9	13	9	9
1901	58.9	−0.5	91	28	5.56	+1.66	7.96	2.24	0	15	8	9	14
1902	59.8	+0.4	95	25	1.96	−1.94	4.45	0.29	0	8	13	11	7
1903	61.8	+2.4	94	18	1.67	−2.23	4.65	0.22	0	7	16	9	6
1904	61.6	+2.2	94	21	3.78	−0.12	7.50	2.07	0	11	12	10	9
1905	60.8	+1.4	93	22	2.59	−1.31	5.17	0.56	0	12	11	9	11
1906	60.0	+0.6	99	23	3.23	−0.67	5.59	0.93	0	10	12	10	9
1907	54.8	−4.6	91	19	3.08	−0.82	6.38	1.44	0.1	11	11	9	11
1908	61.2	+1.8	96	22	6.28	+2.38	10.95	3.19	0.3	15	10	10	11
1909	59.2	−0.2	92	23	2.90	−1.00	5.52	1.51	0.1	10	12	10	9
1910	56.8	−2.6	88	24	3.38	−0.52	6.08	1.73	0	12	11	10	10
1911	65.2	+5.8	99	20	1.97	−1.93	6.81	0.42	0	7	17	10	4
1912	61.2	+1.8	91	28	3.15	−0.75	5.99	0.99	0	11	14	8	9
1913	58.5	−0.9	93	21	3.86	−0.04	6.45	0.48	0	10	13	8	10
1914	61.5	+2.1	96	19	3.34	−0.56	6.52	0.90	0	9	16	9	6
1915	56.2	−3.2	84	21	4.16	+0.26	7.45	2.29	0	14	10	8	13
1916	61.0	+1.6	93	26	3.19	−0.71	6.09	1.49	T.	13	12	11	8
1917	53.3	−6.1	90	20	3.39	−0.51	8.09	1.65	T.	13	9	10	12
1918	65.1	+5.7	95	21	5.04	+1.14	8.37	1.81	0	14	13	12	6
1919	59.5	+0.1	98	27	5.80	+1.90	13.59	2.86	0	14	13	7	11
1920	56.6	−2.8	92	18	2.02	−1.88	3.65	0.67	0	8	17	8	6
1921	59.8	+0.4	93	22	3.93	+0.03	8.17	0.79	0	11	14	8	9
1922	62.5	+3.1	96	20	3.21	−0.69	7.14	1.69	0	10	15	8	8
1923	58.3	−1.1	93	20	3.50	−0.40	7 43	1.23	0.6	8	19	6	6
1924	54.6	−4.8	92	18	5.71	+1.81	9.64	3.31	0	17	9	9	13
1925	55.2	−4.2	98	22	3.49	−0.41	7.98	1.02	0.2	11	13	10	8
1926	58.8	−0.6	95	18	1.78	−2.12	5.52	0.62	0	8	17	10	4
1927	58.2	−1.2	92	23	4.14	+0.24	7.23	1.75	0	16	9	9	13
1928	58.0	−1.4	95	20	2.23	−1.67	5.10	0.65	0	10	15	9	7
1929	58.5	−0.9	97	23	4.81	+0.91	8.43	1.96	T.	14	13	9	9
1930	61.2	+1.8	99	25	3 03	−0.87	6.39	1.03	0	10	15	8	8
1931	59.8	+0.4	98	19	5.28	+1.38	12.97	2.33	T.	15	13	9	9
1932	59.8	+0.4	98	21	3.69	−0.21	6.40	1.00	0	10	15	8	8
1933	62.2	+2.8	94	24	5.86	+1.96	10.52	2.17	0	18	8	10	13
1934	62.2	+2.8	98	22	2.51	−1.39	6.80	0.37	0	8	18	8	5
1935	56.0	−3.4	92	21	3.00	−0.90	6.09	0.76	0	10	13	8	10
Period	59.4	....	102	18	3.90	....	15.02	0.22	T.	12	12	9	10

W. B. O. Philadelphia-6-29-35-1050.

Climatological Data for May, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	57.5	−2.2	89	28†	35	24	38	1.04	−2.50	0.32	0	15	18	8	5	ne.	John A. Frick.
Altoona	Blair	1,615	48	54.3	−4.5	83	28	33	18	36	4.39	+0.45	1.23	0	9	10	12	9	w.	John J. Martin.
Ardmore	Montgomery	350	3	58.8	−1.6	90	28†	40	1†	38	1.68	−2.17	0.98	0	10	8	9	14	......	H. L. Balderston.
Arendtsville	Adams	700	13	57.4	−2.3	86	28	34	22	39	1.99	−1.92	0.90	0	12	19	3	9	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	56.8	......	87	28†	34	22†	41	4.12	......	1.37	0	11	16	3	12	nw.	Charles C. Lee.
Bellefonte	Center	1,050	27	54.1	−7.0	83	31	21	24	47	5.38	+1.67	2.10	0	12	5	11	15	sw.	U. S. Weather Bureau.
Bethlehem	Northampton	364	50	58.8	−3.4	87	28	40	3†	35	0.86	−2.71	0.23	0	9	21	1	9	nw.	Lehigh University.
Carlisle	Cumberland	467	69	59.3	−2.1	91	28	36	16	43	1.73	−2.07	0.66	0	9	14	8	9	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. L. Gearhart.
Center Hall	Center	1,272	39	51.7	−7.1	82	28	30	16	43	2.91	−1.12	0.85	0	10	17	3	1	......	S. W. Smith.
Chambersburg	Franklin	580	36	59.0	−1.7	89	28	37	22†	42	2.73	−0.92	1.12	0	13	9	13	9	ne.	William B. Spear.
Clearfield	Clearfield	1,120	28	53.4	−5.4	83	27†	28	22	47	4.60	+0.12	0.81	0	12	14	7	10	nw.	E. W. Hess.
Coatesville	Chester	380	48	58.8	−2.4	89	28†	38	16	42	1.86	−2.08	0.56	0	11	11	1	19	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	55.6	−3.4	85	28†	32	16	38	1.63	−1.58	0.62	0	13	13	11	7	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	52.8	−5.0	82	28	28	22†	45	4.07	−0.32	1.19	0	12	9	9	13	n.	T. B. Lloyd.
Ephrata	Lancaster	380	43	59.0	−2.0	91	28	35	24	44	1.45	−1.94	0.52	0	12	15	6	10	n.	Ira J. Keath.
Freeland	Luzerne	1,970	42	53.0	−3.2	83	28	33	1	30	2.15	−2.23	0.87	0	12	7	13	11	n.	Theo. Reichmann.
George School	Bucks	190	29	58.7	−1.8	88	29	37	24	41	1.50	−2.01	0.72	0	10	18	4	9	n.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	59.5	−1.8	89	28	39	1	38	2.42	−1.47	0.80	0	12	14	7	10	w.	Dr Henry Stewart
Gordon	Schuylkill	840	31	55.0	−2.8	86	28	30	16†	46	1.63	−2.23	0.37	0	8	16	6	9	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	47.4	−6.5	80	30	26	24	35	1.85	−2.32	0.88	0	9	17	7	7	w.	Ronald H. Marshall.
Hamburg	Berks	535	42	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	State Sanatorium.
Hanover	York	600	31	59.7	−3.1	88	28	38	1	36	2.61	−0.63	0.67	0	11	16	5	10	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	59.3	−2.5	86	28	41	16	31	1.42	−2.02	0.53	0	11	6	13	12	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	17	52.0	−4.8	84	28	27	16†	46	2.10	−1.43	0.61	0	8	20	6	5	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	60.6	−1.2	88	29	46	3†	23	2.02	−0.86	0.46	0	11	15	5	11	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	56.6	−3.6	86	28	32	22†	45	4.05	−0.09	1.10	0	9	12	9	10	e.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	58.2	−2.6	88	28	32	18†	45	3.93	+1.08	1.85	0	8	13	8	10	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	52.6	......	83	27	30	16	42	3.58	......	0.92	0	11	14	5	12	nw.	Bureau of Plant Industry.
Lancaster	Lancaster	255	48	58.4	−2.3	90	28†	34	16	44	1.62	−1.61	0.58	0	7	11	14	6	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	53.3	−3.6	87	26	28	24†	50	2.85	−0.73	1.10	0	10	15	8	8	......	C. P. Darling.
Lebanon	Lebanon	469	51	58.1	−2.7	89	28	36	24	41	1.24	−2.62	0.48	0	10	20	6	5	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	57.7	−3.9	86	27	35	18†	42	2.68	−1.21	0.64	0	12	5	20	6	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	63.0	......	88	27†	45	2†	28	3.12	......	......	0	10	19	4	8	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	53.5[b]	−6.2	85[b]	28	31[b]	18	50[b]	1.23	−2.78	0.38	0	9	21	2	8	nw.	R. K. Wintermute.
Mifflin	Juniata	445	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Vacant.
Mt. Pocono	Monroe	1,720	29	50.1	−3.8	84	27†	30	24	44	0.76	−3.24	0.26	0	8	21	2	8	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	23	52.1	−4.8	82	28	27	18†	43	3.08	−1.28	0.93	0	8	19	5	7	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	57.8	−1.6	91	29	36	24†	43	2.16	−1.47	0.99	0	11	16	1	14	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	56.0	......	87	29	32	24	41	0.77	−3.08	0.17	0	10	15	10	6	n.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	60.6	−2.3	86	28	45	1	25	2.21	−1.05	1.46	0	11	8	9	14	n.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	10	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Vacant
Phila. Navy Yard	Philadelphia	12	19	59.8	−2.1	87	27†	43	1†	31	2.40	−0.81	1.23	0	11	6	10	15	sw.	Commandant. Navy Yard.
Phœnixville	Chester	100	25	59.9	−1.2	92	28†	35	24	44	1.86	−2.10	0.74	0	10	15	10	6	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	50	55.9	−3.5	88	28†	30	24	44	1.36	−2.52	0.57	0	10	15	8	8	n.	John E. Benner.
Reading	Berks	514	65	59.4	−3.1	87	28	42	24	27	0.99	−2.68	0.40	0	10	7	15	9	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	54.4	......	85	28	30	24	38	2.12	......	0.66	0	10	17	7	7	ne.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	55.0	−4.4	82	27	35	24	34	2.84	−0.43	0.79	0	11	9	14	8	nw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	57.8	−2.7	88	23	35	16	42	1.91	−2.08	0 80	0	9	13	11	7	ne.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	60.1	−2.5	88	29	41	16†	35	1.93	−1.39	1.01	0	12	11	11	9	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	59.0	......	85	28	39	22†	37	2.67	......	0.90	0	11	11	8	12	ne.	State Teachers College
State College	Center	1,217	51	55.6	−3.0	83	28	35	16	40	3.59	−0.35	1.03	0	11	16	9	6	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	56.2	−3.1	87	28†	33	25	44	1.15	−2.34	0.38	0	8	20	8	3	w.	State Normal School.
Towanda	Bradford	754	41	53.0	−4.3	83	27	29	16	43	2.08	−1.11	0.85	0	11	13	9	9	n.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	51.2	−5.1	84	27	25	24	46	2.24	−1.62	0.95	0	7	22	4	5	nw.	George W. Hill.
West Chester	Chester	455	86	58.5[b]	−2.1	85[b]	29	41[b]	1	28[b]	2.16	−2.16	0.63	0	9	12	13	6	nw.	Joseph W. Belt.
Williamsport	Lycoming	521	49	55.6	−4.8	84	27	33	24	38	2.56	−0.85	0.59	0	11	15	5	11	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	57.0	−2.2	83	27†	37	1	33	1.77	−2.10	0.44	0	9	14	10	7	sw.	Susquehanna Collieries Co.
York	York	400	47	58.4	−2.7	89	28	33	16	42	2.34	−0.97	0.59	0	11	13	12	6	nw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	56.4	−3.9	85	28	31	1	40	4.02	+0.77	1.09	0	12	7	8	16	ne.	U. S. Engineer.
Brookville	Jefferson	1,173	45	50.6	−4.7	80	27†	24	22	46	4.72	+1.13	1.58	0	11	14	4	13	......	Frank S. Fawcett.
Butler	Butler	1,077	22	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	William C. Faust.
Chambersville	Indiana	1,047	5	54.8	−5.0	84	28	26	22	44	4.56	+0.31	1.26	0	11	14	2	15	nw.	John E. Lewis.
Clairton	Allegheny	1,020	3	55.8	......	84	28	31	1	37	3.85	......	1.26	0	12	10	11	10	nw.	Carnegie Steel Co.
Claysville	Washington	1,150	30	57.5	−3.1	86	28	31	1†	44	4.66	+1.04	1.47	0	10	18	2	11	n.	J. L. Melvin.
Corry	Erie	1,430	22	50.4	−3.8	80	27†	26	22	39	2.39	−1.89	0.69	0	11	13	10	8	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	57.1	−3.5	82	28	34	18	36	5.49	+1.89	1.18	0	9	14	7	10	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	18	53.8	−1.7	79	28	33	1†	33	5.26	+1.18	1.44	0	10	19	4	8	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. S. Stevanus.
Franklin	Venango	957	61	54.2	−3.1	85	28	29	22	46	3.10	−0.48	0.91	0	10	10	6	15	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	26	56.8	−3.1	83	28	34	19	38	4.66	+0.79	1.23	0	10	12	10	9	n.	Westmoreland Water Co.
Greenville	Mercer	950	39	54.2	−3.4	87	28	29	22†	43	2.81	−0.77	0.80	0	10	15	4	12	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	54.6	−2.9	80	28	32	1	42	3.89	−0.24	1.05	0	9	12	6	13	nw.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	53	57.4	−3.6	85	27†	35	22	40	4.81	+0.39	1.47	0	9	14	9	8	nw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	49.4	......	79	26	28	18†	40	3.47	......	1.03	0	12	8	9	14	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	55.8	−4.7	80	9	32	4	41	6.09	+2.13	1.38	0	9	0	26	5	nw.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	54.2	−2.1	84	28	29	24	40	2.76	−1.56	0.87	0	10	18	0	13	nw.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	56.4	......	83	28	34	1	36	4.63	......	1.54	0	12	16	3	12	w.	Fred Hoffman.
New Castle	Lawrence	808	55	54.0	−5.5	84	10†	31	18†	40	4.08	+0.70	1.05	0	14	15	11	5	w.	New Castle Water Co.
Newell	Fayette	800	15	55.9	−5.5	82	29	33	22	38	4.47	+1.71	1.50	0	11	11	10	10	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	58.8	−3.6	85	28	40	1	33	4.07	+0.86	1.26	0	12	7	8	16	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	51.1	−4.6	81	28	24	22	46	3.34	−0.62	0.98	0	12	14	7	10	nw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	54.0	−4.2	86	28	32	22	39	2.71	−0.46	0.65	0	9	11	10	10	se.	Harry H. Gerber.
Somerset	Somerset	2,190	68	52.6	−4.2	78	28	27	22	43	4.85	−0.06	1.57	0	12	5	12	14	nw.	D. L. Grove.
Uniontown	Fayette	1,100	47	58.4	−3.4	82	28	34	1†	39	5.25	+1.29	1.80	0	13	11	11	9	n.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	56.5	−4.3	88	28	31	22	43	3.91	+0.62	1.42	0	11	17	10	4	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	51.4	−4.7	79	29	33	22†	31	2.15	−2.08	0.85	0	13	14	4	13	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	58.2	......	84	28	33	1	40	4.95	......	2.09	0	11	4	17	10	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	51.9	−4.9	82	28	35	4	29	2.20	−1.20	0.65	0	11	14	4	13	w.	U. S. Weather Bureau.
For the State	......	......	....	56.0	−3.4	92	28†	21	24	50	3.00	−0.90	2.10	0	10	13	8	10	nw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for May, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown|||	Lehigh	.06	.01	.18	.03	.02	.05	.16	.16	....	.05	.07	....	.01	.10	.01	....	....	....	....	....	....	....	.09	....	....	....	....	....	....	.04	....	1.04
Altoona	Juniata	....	1.23	.13	....	.13	.58	.90	....	....	.85	....	....	.09	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	....	....	4.39
Ansoula|||	W. Br. Susq	T.	.09	.17	.30	....	.12	.97	.12	....	.69	....	....	....	....	....	....	....	....	....	....	....	....	.13	....	....	....	....	....	....	.13	....	2.72
Ardmore	Lower Del	T.	.35	.08	.02	.05	.40	.58	....	....	.11	....	T.	.03	T.	....	....	....	....	....	....	.04	....	....	....	....	....	....	....	T.	....	.02	1.68
Areudtsville	Lower Susq	....	.05	.90	.06	.04	.04	.47	....	....	.10	....	....	.16	.02	....	....	....	....	....	....	.12	....	.01	....	....	....	....	....	.02	....	....	1.99
Baker's Summit	Juniata	....	1.22	.14	.05	.03	.28	.74	....	....	.83	....	.19	.09	....	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	.18	....	....	3.80
Bedford	Juniata	....	1.37	.15	....	.10	.09	1.01	....	....	.83	....	....	.25	.03	....	....	....	....	....	....	.13	....	.10	....	....	....	....	....	.06	T.	....	4.12
Bellefonte***	W. Br. Susq	....	.40	.12	.02	.12	.42	.03	....	.32	.23	....	.50	2.10	1.00	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	....	....	5.88
Bethlehem	Lehigh	....	....	.11	.01	.03	.09	.23	....	....	.15	....	....	....	.12	....	....	....	....	....	....	....	....	.08	....	....	....	....	....	.04	....	....	0.86
Bloserville‡‡	Lower Susq	....	.75	....	.10	.10	.20	....	....	....	.65	....	....	....	.03	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	1.93
Buffalo Mills	Juniata	.41	1.31	....	....	.10	.91	....	....	.92	....	....	.33	.10	....	....	....	....	....	....	....	.20	....	....	....	....	....	....	....	....	....	....	4.28
Carlisle	Lower Susq	....	.66	....	....	.04	.09	.24	....	....	.38	....	....	.10	T.	....	....	....	....	....	....	.01	....	.03	....	....	....	....	....	.18	....	....	1.73
Catawissa‡	N. Br. Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Center Hall	Susquehanna	.04	.28	....	.27	.46	.85	....	....	....	.43	....	....	.02	.32	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	.14	....	....	2.91
Chambersburg	Potomac	....	1.12	.13	.04	.04	.20	.37	....	....	.52	....	....	.07	.04	....	....	....	....	....	....	.03	....	.06	....	....	....	....	....	.02	....	.09	2.73
Clearfield	W. Br. Susq	.81	.38	.38	.16	.32	.80	.71	.05	....	.65	....	....	.15	.06	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.13	....	....	4.60
Coatesville	Lower Del	....	.55	.14	T.	.08	.05	.56	....	....	.23	....	....	.11	.01	....	....	....	....	....	....	.05	....	.04	....	....	....	....	....	.04	....	....	1.86
Colebrook	Lower Susq	....	.62	.03	.07	.05	.17	.21	....	....	.20	....	....	.09	.03	....	....	....	....	....	....	.03	....	.07	....	....	....	....	....	.05	.01	....	1.63
Conshohocken	Schuylkill	....	.25	.11	.04	....	.51	.93	....	....	.06	....	....	....	....	....	....	....	....	....	....	.11	....	.03	....	....	....	....	....	....	....	.05	2.09
Cresson‡	Juniata	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Doylestown	Lower Del	....	.16	.04	.03	....	.08	.78	....	....	.02	....	....	.03	....	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	.03	....	T.	1.20
Emporium	W. Br. Susq	....	.30	.84	.24	.14	.22	1.19	....	.21	.60	....	....	.04	.03	....	....	....	....	....	....	....	....	.20	....	....	....	....	....	.06	....	T.	4.07
Ephrata	Lower Susq	....	.50	.02	.02	.01	.08	.52	....	....	.13	....	....	.06	.01	....	....	....	....	....	....	.01	....	.05	....	....	....	....	....	.04	....	....	1.45
Forest City	N. Br. Susq	....	....	....	.57	.08	.15	.70	.62	....	.75	....	....	....	.08	....	....	....	....	....	....	....	....	.22	....	....	....	....	....	....	.18	....	3.35
Freeland||||	Lehigh	.03	.01	.14	.11	.02	.12	.65	.22	....	.26	....	....	....	.43	....	....	....	....	....	....	....	T.	.06	....	....	....	....	....	....	.10	....	2.15
Galeton	W. Br. Susq	....	.22	.20	.33	.11	.24	.98	....	....	.74	....	....	....	....	....	....	....	....	....	....	....	....	.16	....	....	....	....	....	.08	....	....	3.06
George School	Lower Del	....	.15	.03	.08	T.	.08	.72	....	....	....	.25	....	.03	T.	....	....	....	....	....	....	T.	....	.05	....	....	....	....	....	.09	T.	.02	1.50
Gettysburg	Potomac	....	.80	.28	.01	.01	.34	.37	....	....	.03	....	....	.11	.02	....	....	....	....	....	....	.25	....	.02	....	....	....	....	....	.18	....	T.	2.42
Girardville||||	Lower Susq	....	.26	....	.07	.10	.31	.25	....	.37	....	....	.09	....	.13	....	....	....	....	....	....	....	....	.01	....	....	....	....	....	.07	....	....	1.66
Gordon	Lower Susq	....	.37	.04	....	T.	.26	.33	....	....	.35	....	....	.05	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	....	1.63
Gouldsboro‖	Lehigh	....	....	.10	.11	.04	....	.88	.14	....	.19	....	....	....	.23	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	.11	....	....	1.85
Graterford	Schuylkill	....	.18	.11	.03	.02	.21	1.12	....	....	.66	....	....	.04	T.	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	.04	....	T.	2.44
Hamburg	Schuylkill	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Hanover	Lower Susq	....	.67	.56	.01	.04	.20	.55	....	....	.05	....	....	.13	.02	....	....	....	....	....	....	.36	T.	....	....	....	....	....	....	T.	.02	....	2.61
Harrisburg***	Lower Susq	....	.53	T.	.01	.02	.18	.14	....	T	.30	....	.04	.03	.02	....	T.	....	....	....	....	T.	....	.03	....	....	....	....	....	.12	....	....	1.42
Hawley|||	Upper Del	T.	....	T.	.34	T.	.18	.50	.61	....	.19	....	....	....	.04	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	....	.14	....	2.10
Hollisterville	Upper Del	.05	....	....	.27	.03	.15	.37	.24	....	.34	T.	....	....	.03	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	T.	.14	....	1.65
Holtwood‖	Lower Susq	....	.46	.17	....	.02	.27	.43	....	....	.14	....	....	.22	.03	....	....	....	....	....	....	.08	....	....	....	....	....	....	....	.09	....	.11	2.02
Huntingdon	Juniata	....	1.00	.08	....	.10	.19	1.10	....	....	1.05	....	....	.10	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	....	....	4.05
Hyndman	Potomac	....	1.85	.22	.10	.05	.11	.60	....	....	.81	....	....	.19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.93
Kylertown	W. B. Susq	....	.60	.20	.09	.15	.40	.72	....	....	.92	....	....	.10	.29	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	.05	....	....	3.58
Lakeville||||	Upper Del	.02	T.	.01	.38	T.	.25	.60	.65	T.	.28	....	....	....	.05	....	....	....	....	....	....	....	....	.14	....	....	....	....	....	.27	....	....	2.65
ancaster	Lower Susq	....	.50	.05	....	....	.15	.58	....	....	.13	....	....	.11	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	T.	....	....	1.62
ansford||||	Lehigh	.02	T.	.25	.11	....	.12	.27	.13	....	.14	T.	....	....	.18	T.	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	T.	....	1.22
awrenceville	N. Br. Susq	....	.10	.38	.25	.05	.10	1.10	....	....	.32	....	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	.30	2.85
ebanon	Lower Susq	.05	.48	.01	T.	.03	.30	.08	....	.17	.05	....	.03	T.	....	....	T.	....	....	....	T.	....	.04	....	....	....	....	....	....	T.	....	....	1.24
ock Haven	W. Br. Susq	....	.28	.16	.11	.06	.41	.50	....	....	.64	....	....	.05	.10	....	....	....	....	....	....	....	....	.06	....	....	....	....	T.	.26	.05	....	2.68
Marcus Hook	Lower Del	....	.42	....	.05	.08	*	1.89	....	....	.27	....	....	.07	.02	....	....	....	....	....	....	*	.25	.05	....	....	....	....	....	....	....	.02	3.12
Matamoras||||	Upper Del	....	....	.51	.11	.09	.54	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	....	....	....	....	....	....	....	1.95
Mauch Chunk	Lehigh	....	.23	.02	.07	.10	.03	.35	....	....	.12	....	....	....	.26	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	....	T.	....	1.23
Mifflin	Juniata	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Montrose	N. Br. Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Morris Run	N. Br. Susq	....	.22	.16	.42	....	.22	.70	....	....	.52	....	....	....	.04	....	....	....	....	....	....	....	....	.14	....	....	....	....	....	T.	....	.16	2.58
Mount Pocono	Upper Del	....	.06	.03	.26	.04	.08	.05	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	.14	0.76
Muncy Valley	W. Br. Susq	....	T.	T.	.69	T.	.35	.93	....	....	.55	....	....	....	.06	....	....	....	....	....	....	....	....	.24	....	....	....	....	....	.22	....	.04	3.08
Neshaminy|||	Lower Del	....	.17	.03	.04	.09	.14	.99	....	....	.23	....	....	....	.05	....	....	....	....	....	....	T.	....	.01	....	....	....	....	....	.24	....	.13	2.16
New Park	Lower Susq	....	.67	.20	.21	.15	.05	.22	....	....	.20	....	....	.13	....	....	....	....	....	....	....	.29	....	....	....	....	....	....	....	.02	....	.01	2.15
Newport||||	Juniata	.04	.05	.70	.03	....	.10	.35	.12	....	.48	.03	....	.13	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	....	2.10
almerton‡	Lehigh	....	.13	.08	T.	.08	.16	.04	....	.01	.04	....	....	....	.17	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	.03	....	T.	0.77
aupack||||	Upper Del	.05	....	....	.42	....	.23	.79	.35	....	.20	....	....	....	.13	....	....	....	....	....	....	....	....	.11	....	....	....	....	....	....	.48	....	2.76
hiladelphia***	Lower Del	....	.24	.14	.02	.07	.60	.87	....	....	.08	....	T.	.01	T.	....	....	....	....	....	....	.10	....	.04	....	....	....	....	....	T.	....	.04	2.21
hiladelphia-Gtn.	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
hila. Navy Yard|||	....do	....	.02	.36	.13	....	.11	1.23	.20	....	....	.03	....	.09	T	T	....	....	....	....	....	.17	.01	.05	....	....	....	....	....	....	T.	....	2.40
hila-P'nt Breeze.‡	Lower Del	....	.29	....	....	....	.25	1.59	....	....	.09	....	....	.01	T.	....	....	....	....	....	....	.15	T.	.02	.01	T.	....	....	....	T.	....	.03	2.44
hoenixville	Schuylkill	....	.33	.05	.06	T.	.08	.74	....	....	T.	.21	....	T.	.04	....	....	....	....	....	....	T.	....	.07	....	....	....	....	....	....	.20	.08	1.86
ine Grove	Lower Susq	....	.44	....	....	.10	.24	.14	....	.02	.10	....	.01	.10	.17	....	....	....	....	....	....	....	....	.04	....	....	....	....	....	.06	....	....	1.45
leasant Mount	Upper Del	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
ottstown	Schuylkill	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
ottsville	Schuylkill	....	.24	.11	.04	.05	.12	.32	....	....	.17	....	....	.04	.05	....	....	....	....	....	....	....	....	.02	....	....	....	....	....	.10	....	....	1.26
uakertown	Lower Del	....	.17	.05	.06	....	.08	.49	....	....	.03	....	....	.06	.03	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	.33	....	....	1.36
eading***	Schuylkill	....	.40	T.	.01	.03	.16	.18	....	....	.06	....	....	.01	.02	....	T.	....	....	....	....	T	....	.08	....	....	....	....	....	.04	....	T.	0.99
enovo.|||	W. Br. Susq	.18	.12	.25	.54	....	.25	1.08	.11	....	1.00	....	....	.02	.09	....	....	....	....	....	....	....	....	.07	....	....	....	....	....	....	.34	....	4.05
etreat	N. Br. Susq	....	.13	T.	.20	.03	.23	.66	....	....	.41	....	....	....	.18	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	.12	....	.11	2.12
cranton***	....do	....	.01	.14	.28	.05	.27	.70	....	.12	.32	....	T.	....	.24	....	....	....	....	....	....	....	T.	.12	....	....	....	....	....	.56	....	.03	2.84
elinsgrove	Lower Susq	....	.27	T.	....	.01	.17	.80	....	....	.48	....	....	.02	.08	....	....	....	....	....	....	....	....	.01	....	....	....	....	....	.07	....	....	1.91
hawmont	Schuylkill	....	.29	.02	.05	....	.09	1.01	....	....	....	.09	....	.03	.01	....	....	....	....	....	....	.02	....	.15	....	....	....	....	....	T.	.14	.03	1.93
hippensburg	Lower Susq	....	.90	.11	.20	.02	.16	.37	....	....	.67	....	....	.12	T.	....	....	....	....	....	....	.03	....	.06	....	....	....	....	....	.03	T.	....	2.67
now Hill‡‡	Upper Del	....	....	....	.34	....	....	....	.90	....	....	.22	....	....	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.06	....	....	1.55
tate College	W. Br. Susq	....	.60	.07	.06	.19	1.03	.57	....	....	.65	....	....	.08	.21	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	.10	....	....	3.59
troudsburg||||	Upper Del	....	....	.15	.12	.18	.10	.38	....	....	.04	.08	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.15
unbury	Lower Susq	.09	T.	.25	.09	T.	.12	.64	.28	....	.52	....	....	.02	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	.02	....	2.03
usquehanna	N. Br. Susq	.04	....	.05	.49	T.	.10	.11	.65	....	.37	.03	T	....	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.08	....	1.94
Towanda	....do	....	.05	.11	.21	.16	.10	.75	....	....	.40	....	....	T.	.07	....	....	....	....	....	....	....	....	.09	....	....	....	....	T.	.10	....	.04	2.08
Weikert	Lower Susq	....	.30	.07	.08	.05	.15	.85	....	.56	....	....	.06	....	.20	....	....	....	....	....	....	.04	....	....	....	....	....	....	....	.06	....	....	2.42
Wellsboro	W. Br. Susq	....	.12	.14	.27	.09	.11	.95	....	....	.56	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	2.24
West Chester	Lower Del	....	.52	.14	....	....	.11	.63	....	....	.22	....	....	.12	....	....	....	....	....	....	....	.07	....	.05	....	....	....	....	....	....	....	.30	2.16
Westgrove||||	....do	....	....	.44	.08	....	.06	.46	.17	....	....	.56	....	.16	....	....	....	....	....	....	....	.23	T.	....	....	....	....	....	....	....	....	.01	2.17
Wilkes-Barre|||	N. Br. Susq	T.	T.	.05	.36	.01	.06	.46	.36	....	.30	....	....	....	.13	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	....	.08	....	1.86
Williamsport|||	W. Br. Susq	T.	.04	.10	.40	....	.12	.53	.28	....	.59	....	....	.11	.16	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	....	.17	....	2.56
Williamstown	Susouehanna	....	.30	.11	T.	.01	.15	.36	....	....	.44	....	....	.03	.25	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.12	....	....	1.77
ork	Lower Susq	....	.59	.16	.02	.03	.30	.52	....	....	.24	....	....	.18	....	....	....	....	....	....	....	.12	....	....	....	....	....	....	....	.16	.02	....	2.34
ork Haven||||	Lower Susq	....	.02	.60	.20	.02	.08	.36	.14	....	.16	.15	....	.08	.03	....	....	....	....	....	....	.04	....	.07	....	....	....	....	....	....	.06	....	2.01
ionsville..(near).	Schuylkill	....	.18	.02	.15	.02	.18	.38	....	....	.17	....	....	.04	.06	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	.23	....	....	1.48
renton, N. J***	Lower Del	....	.09	T.	.01	.02	.40	.66	....	....	.15	....	....	.02	T.	....	....	T.	....	....	....	T.	....	.02	....	....	....	....	....	.03	....	.07	1.47

Continued on page 24.

Daily Precipitation for May, 1935—Continued from page 23

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio		.85	.86	.03		.13	1.09	.03		.17			.04	.08									.09						.53	.12		4.02
Beaver Falls‖‖	Beaver	T.	1.01	.76	.30	.01	.07	1.15	.03		.39			.05	.06									.01						.16	.19		4.19
Bradford	Allegheny	T.	.15	.25	.11	.20	.01	1.06	T.		1.30		T.	T.	.12								T.						.02	.03			3.25
Brookville	...do	.02	.62	.63	.16		.12	1.58	.12		.97			.16	.05																.29		4.72
Butler	Ohio																																
Chambersville	Allegheny		1.26	.15	.03	.17	.41	.77			.86			.16	.31									.04						.40			4.56
Clairton‡	Monongahela		1.26	.14	T.	.07	.70	.23		.26	.26		.05	.18									.05	.04						.61			3.85
Claysville	Ohio		1.47	.28		.09	.28	.65			.52		T.	.27	.21									.14						.75		T.	4.66
Clymer‡‡	Conemaugh																																
Confluence‖‖	Youghiogheny		.60	1.62	.30	.20	.30	1.43	.23					.18	.31							.29		.12						.20			5.78
Corry	Allegheny	.03	.12	.41	.30	.07		.69	.01	.64	.01				.03															.08			2.39
Derry	Conemaugh		1.18	.28		.16	.55	.71			1.13		T.	.32	.27															.89			5.49
Donora‖‖	Monongahela		1.16	.35			.16	1.08			1.16			.09	.26									.05						T.	.62		4.93
Ebensburg	Conemaugh		1.44	.30		.04	.83	.80			1.02			.25	.25									.03						.30			5.26
Elk Lick	Youghiogheny																																
Franklin‖‖	Allegheny		.34	.29	.66		.16	.91	.28		.32			.08										.02						.04			3.10
Greensboro	Monongahela		.38	1.63	.02	.01	.11	1.12	.08		.26			.03	.25	.03		.01				.24		.22							.21	T	4.60
Greensburg	Youghiogheny		1.23	.15		.17	.54	.54			.81		T.	.44	.04									.04						.70			4.66
Greenville	Beaver		.43	.40	.08	.10	.20	.80			.48		T.	.20	.03															.09			2.81
Grove City	...do		.83	.33	.31		.27	1.05	.11		.75			.21	.03									T.						T.			3.89
Herrs Isl. Dam‖‖	Ohio		.66	1.08			.17	.79	.03		.74			.07	.10	T								.04						T.	.46		4.14
Irwin	Monongahela		1.23	.21		.12	.28	.85			.80			.35	.05									.10						.92			4.91
Johnstown	Conemaugh		1.47	.14		.15	.76	.39			.95			.32	.17									T.						.46			4.81
Kane (near) ‡‡	Allegheny	.03	.33	.24	.37	.15	.09	1.03			.72			.04	.06									.13						.28			3.47
Kregar‖‖	Youghiogheny	.07	1.69	.01		.15	.90	.36		1.08	.02		.20	.34							.01									.42			5.25
Lake Lynn‖‖	Monongahela		.15	1.55		.01	.13	1.75	.39		.20			.05	.12	.12		.02				.43		.28							.22		5.42
Linesville‖‖	Beaver																																
Lock No 2‖‖	Ohio		.66	.99	.02		.12	1.00	.06		.29			.03	.07									.04						T	.28		3.56
Lock No. 4‖‖	Monongahela		.42	1.11		T.	.11	.95	.19		.89			.09	.24									.07							.59		4.66
Lock No. 5‡‡‖‖	Allegheny		.94	.90	.03	T.	.21	1.07	.12		.69			.07	.03									.01						.10	.22		4.49
Lycippus	Conemaugh		1.35	.19		.10	.10	1.38			1.37			.49	.05															1.06			6.09
McKeesport‖‖	Monongahela		.52	.82			.06	.95	.08		.48			.01	.17									.03							.52		3.64
Meadville	Allegheny		.28	.32	.03	.16	T.	.87			.79			.10	.06									.05						.10			2.76
Mosgrove	...do	.06	.70	1.08	.24	T.	.23	1.07	.25		.42			.14	.49															.22	.26	T.	5.16
Mount Lebanon	Ohio		1.54	.32		.11	.50	.51		.44	.06		.04	.35	T.								.04	.02						.70			4.63
Natrona‖‖	Allegheny		.80	.92	.03	T.	.18	1.02	.10		.48			.09	.14									T.						.01	.35		4.12
New Castle‖‖	Beaver		.94	.46	.06	.02	.11	1.05	.16	.01	.46	.01		.20	.46									T.						.09	.05		4.08
Newell	Monongahela		1.50	.50			.13	.42	.20		.90			.10	.15									.07					.05	.45			4.47
Parkers Landing‖‖	Allegheny		.81	.32	.14		.08	1.20	.22		.55			.18	.10															T.	.08		3.68
Pennline‖‖‡‡	Beaver	T.	.34	.19	.63	T.	.18	.60	.09		.72			.11	.04									.02						.09			3.01
Pittsburgh***	Ohio	.03	1.19	.40	T	.13	.43	.36		.32	.36		.05	.21	T.								.04	T.						.55			4.07
Punxsutawney‖‖	Allegheny																																
Ridgway	...do	.05	.30	.33	.34	T.	.08	.98	.25		.73			T.	.12									.12						.03	.01		3.34
Saltsburg‖‖	Conemaugh		.76	.74	.43		.17	1.10	.06		1.16			.13	.14									.11							.40		5.20
Sharon‖‖	Beaver		.54	.31	.45		.09	.65	.04		.38			.21	.04															T.			2.71
Smethport	Allegheny	.05	.25	.10	.55	.10	.20	.40	.35		.52	.05	.02	.04	T	T.														.02			2.65
Somerset	Youghiogheny		1.57	.25		.09	.35	1.00	T.		.70			.37	.08							.05		.08						.30	.01		4.85
Springdale‖‖	Allegheny		.72	.83			.18	.93	.07		.43			.11	.22	.01														T.	.87		4.37
Uniontown	Monongahela		1.80	.27		.14	.32	1.09			.38			.21	.06		T.	.17				.29		.14						.35	.03	T.	5.25
Unity Reservoir‡‡	Youghiogheny		1.03	.20		.12	.08	.60			.90			.41										.08						.80			4.22
Vandergrift‡	Conemaugh		1.42	.36		.12	.60	.44		.28	.02			.19									.02	.03						.43			3.91
Warren	Allegheny	.02	.04	.08	.19	.10	.52	.24		.45	.40			.02	.05									.02						.02			2.15
Waynesburg	Monongahela		1.80	.29		.07	.32	.53			.97			.26	.06			.06				.16								.43			4.95
Westford‖‖	Beaver	.32	.18	.14		.18	.86	.14		.80			.12	.10														.22	.34				3.32
West Newton‖‖	Youghiogheny		.50	1.02			.11	1.02	.10		1.20			.07	.30									.04							.66		5.02
Lake Drainage.																																	
Erie***	Lake Erie	T.	.11	.61	.07	.14	.26	.38		.28			.02	.01									T.						.13	.19			2.20

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.04	30.39	4	29.70	21	10.3	32	w.	9	71	63	63	63
Harrisburg	30.00	30.34	4	29.54	21	7.4	21	nw.	7	64	48	50	64
Philadelphia	30.01	30.38	9	29.58	21	11.9	34	nw.	7	62	49	58	60
Pittsburgh	30.04	30.37	4	29.70	21	9.3	31	nw.	4	69	50	51	52
Reading	30.00	30.36	9	29.54	21	10.4	35	n.	31	61	44	52	53
Scranton	30.00	30.34	9	29.53	21	6.8	34	nw.	7	65	44	48	60

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.7	6.4	8	2.2	31	18
Phillipsburg	Delaware	2.7	3.4	1	1.6	31	22
Lehighton	Lehigh	3.4	4.2	8	2.8	31	17
Wilkes-Barre	Susquehanna	7.0	15.4	9	3.2	31	20
Williamsport	Susquehanna	4.9	11.6	8	1.9	31	20
Harrisburg	Susquehanna	5.7	9.7	10	4.0	31	17
Greensboro	Monongahela	14.8	28.8	7	11.0	31	30
West Newton	Youghiogheny	3.3	10.5	3	0.8	28	20
Lock No. 4	Monongahela	15.7	26.9	8	11.5	31	30
Pittsburgh	Ohio		24.0	8	10.8	31	25
Beaver Dam	Ohio		28.7	8	9.3*	1	30

*—Pool stage.

Daily Temperatures for May, 1935

Siations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	61	48	52	47	52	52	72	66	69	73	72	73	72	73	65	65	73	69	72	70	74	68	59	67	74	81	86	89	89	81	83	69.3
	Minimum	44	44	42	41	41	44	50	47	41	47	43	43	48	56	45	38	47	41	48	41	50	40	43	35	40	43	48	55	62	56	55	45.7
Altoona	Maximum	57	52	48	50	47	49	65	63	67	71	69	67	62	67	65	59	68	68	70	65	72	67	60	60	72	78	82	83	71	77	75	65.5
	Minimum	37	39	40	38	39	45	47	39	42	54	41	38	49	55	37	35	45	33	37	38	17	38	43	34	38	42	49	52	64	53	49	43.1
Bedford	Maximum	59	57	51	51	46	56	67	68	71	75	72	75	70	70	68	67	69	66	72	67	71	73	68	67	74	80	85	87	87	78	78	69.2
	Minimum	39	42	44	41	41	41	51	41	43	50	61	38	52	52	46	38	44	37	36	41	49	34	47	40	34	39	44	49	57	59	48	44.5
Bellefonte	Maximum	56	46	46	50	47	49	65	72	73	72	75	72	65	70	72	71	69	56	70	66	75	68	64	68	74	78	80	81	80	78	83	67.5
	Minimum	32	39	39	39	39	47	48	64	49	47	36	35	44	52	38	37	43	44	23	38	30	30	38	21	34	36	53	49	41	48	49	40.7
Brookville	Maximum	50	54	45	63	45	51	57	60	67	76	69	66	68	69	62	63	64	66	65	69	69	70	67	64	70	74	80	80	80	70	77	65.5
	Minimum	35	34	39	37	32	35	45	38	32	47	30	28	32	54	30	28	33	34	32	26	43	24	34	26	27	28	35	47	58	39	45	35.7
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	60	58	49	55	52	56	74	71	71	77	77	78	70	78	70	69	75	71	77	70	76	76	65	69	79	85	87	91	90	85	83	72.4
	Minimum	42	45	44	44	44	50	52	43	42	53	42	42	55	58	44	36	48	38	44	41	51	37	47	42	39	42	50	53	56	57	51	46.2
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	62	57	52	53	51	56	75	67	69	77	76	74	71	76	68	63	74	70	76	68	76	76	69	67	75	83	85	89	87	79	82	71.1
	Minimum	42	43	43	46	43	48	51	44	41	54	43	42	54	59	48	40	46	41	41	45	56	37	45	46	37	41	48	55	60	60	55	46.9
Chambersville	Maximum	55	59	74	60	57	59	63	66	77	72	70	71	70	69	65	62	70	65	72	66	74	69	65	66	73	81	81	84	78	77	78	69.3
	Minimum	34	37	42	36	38	41	44	36	46	52	35	36	43	54	37	37	40	29	30	35	42	26	43	33	33	37	42	55	61	48	48	40.3
Claysville	Maximum	59	60	78	77	63	60	63	67	84	83	74	75	72	70	65	66	70	68	32	70	73	72	67	67	73	81	82	86	84	78	78	72.2
	Minimum	31	41	48	37	40	44	47	32	44	57	37	42	49	54	42	42	44	31	32	38	47	32	44	31	33	37	43	56	63	53	55	42.8
Clearfield	Maximum	53	52	53	50	47	50	64	71	72	71	74	72	66	71	69	66	72	67	74	69	74	68	62	70	77	78	83	83	78	75	80	68.1
	Minimum	37	38	37	37	37	42	46	34	36	46	34	34	47	56	36	32	31	32	36	34	41	28	43	34	30	37	37	37	56	48	45	38.6
Coatesville	Maximum	59	53	55	53	54	61	76	68	68	76	73	74	66	75	66	68	74	69	77	69	73	70	58	68	85	82	87	89	89	80	84	70.9
	Minimum	41	44	41	43	42	46	52	45	39	50	45	43	52	55	46	38	47	42	43	43	50	41	44	39	43	46	53	56	61	61	54	46.6
Corry	Maximum	52	45	52	52	45	54	53	66	78	68	64	67	70	62	55	60	61	62	67	68	68	60	58	66	68	75	80	80	78	78	72	64.0
	Minimum	32	33	36	31	35	37	39	33	39	45	40	35	35	48	30	30	32	27	34	31	38	26	36	28	32	43	45	58	39	45	46	36.7
Emporium	Maximum	56	50	51	48	48	52	60	67	71	71	68	68	68	66	61	64	66	63	68	69	71	63	58	65	73	80	81	82	75	77	74	65.6
	Minimum	38	38	40	42	40	44	46	41	35	52	35	37	52	55	36	30	38	29	32	32	40	28	40	28	32	35	40	50	62	46	46	40.0
Erie	Maximum	45	43	42	45	51	46	45	57	78	61	61	60	66	55	55	55	57	57	62	62	61	53	53	62	67	73	76	82	68	70	67	59.2
	Minimum	38	37	38	35	38	40	40	40	49	48	46	49	50	43	39	41	44	39	44	44	46	39	40	39	44	54	59	62	55	51	53	44.6
Franklin	Maximum	52	46	68	58	54	57	60	71	84	73	69	69	71	65	62	64	67	72	68	68	73	65	67	69	74	82	83	85	80	80	83	69.0
	Minimum	35	36	39	35	36	40	43	36	38	42	36	39	46	52	33	33	37	30	32	35	42	29	39	30	33	37	42	60	63	43	47	39.3
Freeland	Maximum	56	49	46	42	45	50	63	59	63	65	67	63	67	63	55	64	63	65	63	64	68	63	57	58	67	80	81	83	80	77	75	63.3
	Minimum	33	37	35	35	35	37	45	39	41	47	43	42	47	51	34	35	44	35	39	40	48	37	35	35	42	51	55	60	62	53	55	42.8
Gettysburg	Maximum	62	57	49	55	51	58	74	68	67	78	77	73	70	76	71	63	73	70	76	72	72	72	70	67	74	82	85	89	88	80	85	71.0
	Minimum	39	44	43	47	43	48	53	46	45	52	46	46	54	58	48	41	42	41	44	45	50	41	47	43	40	44	53	59	65	62	58	48.0
Greensburg	Maximum	55	60	77	73	62	60	64	67	81	76	69	71	69	67	64	61	68	64	70	65	68	69	65	66	68	79	79	83	77	76	74	69.3
	Minimum	36	41	47	38	40	43	48	39	51	54	40	41	52	57	40	40	44	35	34	40	47	34	42	35	37	41	49	58	65	54	54	44.4
Grove City	Maximum	52	51	71	70	52	52	57	66	78	75	68	62	67	67	61	61	65	63	67	67	67	64	61	63	71	78	78	80	80	75	76	66.6
	Minimum	32	35	42	33	37	40	41	33	36	50	41	44	48	48	36	37	42	35	40	53	46	35	41	34	39	47	52	60	60	48	52	42.5
Hamburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Harrisburg	Maximum	58	53	51	51	52	56	71	67	66	75	75	71	66	76	63	61	72	68	75	66	73	70	59	65	75	81	82	86	84	79	80	68.6
	Minimum	44	44	44	44	44	50	51	49	48	52	51	47	55	54	47	41	50	48	47	49	52	43	46	46	44	50	56	60	65	62	61	50.0
Hawley	Maximum	56	51	46	43	54	58	65	65	68	70	67	66	74	66	59	65	67	64	63	68	70	64	59	63	73	81	83	84	80	78	78	66.1
	Minimum	38	38	39	35	31	39	46	42	39	49	38	35	38	39	35	27	37	29	37	32	37	29	36	27	30	35	39	52	53	44	46	37.8
Huntingdon	Maximum	57	52	49	53	49	52	69	70	70	75	73	71	68	74	68	65	72	69	74	68	74	70	61	69	77	83	85	86	81	80	80	69.2
	Minimum	41	42	43	43	42	49	50	60	38	54	38	37	52	57	42	33	43	39	39	38	47	32	46	39	32	38	42	52	53	52	48	43.9
Johnstown	Maximum	56	55	67	62	45	59	66	71	78	75	74	74	69	71	70	64	70	68	72	68	74	72	65	71	75	81	85	85	76	81	79	70.3
	Minimum	39	42	47	40	40	47	47	42	42	57	43	39	41	57	43	39	46	39	40	42	49	35	46	37	38	41	45	54	60	55	52	44.6
Lancaster	Maximum	58	50	52	54	53	57	75	74	69	76	75	72	73	75	77	63	74	76	76	78	72	74	73	66	77	83	87	90	90	82	84	72.1
	Minimum	40	42	43	46	40	45	53	45	39	49	40	39	51	55	44	34	47	35	42	40	50	35	45	35	36	39	50	53	60	57	54	44.6
Lawrenceville	Maximum	58	52	44	46	48	53	57	67	69	72	69	70	70	72	61	65	66	66	67	73	74	67	60	69	77	87	88	85	83	82	80	67.6
	Minimum	35	38	36	39	33	43	44	38	33	52	35	39	39	52	31	29	37	36	35	33	38	30	41	28	28	37	41	54	65	45	45	39.0
Lebanon	Maximum	63	49	51	52	56	57	73	67	67	77	75	72	67	75	65	66	72	70	77	69	75	71	60	66	75	83	86	89	88	82	84	70.3
	Minimum	41	41	43	43	42	46	51	46	44	51	43	41	54	54	46	37	47	38	44	41	51	38	45	36	39	42	54	51	62	58	55	45.9
Marcus Hook	Maximum	60	60	59	57	62	73	73	67	73	74	75	75	75	75	68	75	74	75	76	70	72	70	68	74	81	85	88	88	88	87	83	73.5
	Minimum	50	45	45	47	47	55	48	47	52	55	54	53	56	50	45	55	46	51	48	53	50	49	46	46	57	58	61	68	65	62	59	52.4
Meadville	Maximum	49	50	67	68	52	54	55	64	80	77	65	65	70	66	66	61	62	61	67	67	67	64	62	66	74	79	81	84	82	74	75	66.9
	Minimum	34	36	41	34	35	39	41	33	41	47	37	42	51	47	34	34	38	32	36	36	42	30	37	29	34	55	59	65	61	52	52	41.4
Mifflin	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mount Pocono	Maximum	45	42	46	41	45	46	56	64	63	70	65	63	63	60	55	60	64	62	64	64	60	60	55	50	65	78	84	84	78	79	75	61.5
	Minimum	38	39	35	34	34	36	38	36	39	45	38	38	45	45	34	36	40	32	35	34	32	31	35	30	36	40	40	55	50	55	45	38.7
Muncy Valley	Maximum	58	56	48	45	48	53	63	64	64	72	70	68	66	68	59	64	67	66	64	70	72	65	59	63	73	80	81	82	79	76	75	65.7
	Minimum	38	39	39	39	36	41	47	37	35	50	34	36	42	54	32	28	39	27	30	36	38	27	39	27	30	37	41	48	52	45	49	38.5
Philadelphia	Maximum	60	54	56	50	51	60	72	66	68	72	74	73	63	74	66	65	74	68	74	67	69	69	60	66	73	81	83	86	85	77	82	69.0
	Minimum	45	47	45	45	46	49	53	48	49	52	57	56	53	56	51	46	52	47	52	51	52	53	48	46	51	56	58	62	67	66	62	52.3
Pittsburgh	Maximum	57	61	79	54	62	62	64	68	82	72	71	71	70	64	66	64	67	64	70	64	71	69	62	67	72	80	82	85	74	77	76	69.3
	Minimum	40	43	48	40	43	46	49	42	49	56	49	48	54	51	44	46	49	42	43	48	50	41	47	42	45	48	54	67	61	55	60	48.4
Quakertown	Maximum	60	56	51	50	49	57	71	67	68	72	72	70	68	71	66	65	73	67	72	71	74	68	58	66	71	80	85	88	88	78	81	68.8
	Minimum	42	39	41	41	41	44	45	46	36	50	39	37	47	55	44	34	46	40	45	37	48	35	42	30	34	36	42	55	62	52	49	43.0
Reading	Maximum	58	52	52	51	52	56	70	67	65	72	74	73	65	73	63	67	70	68	72	68	72	69	58	64	73	80	84	87	87	81	79	68.5
	Minimum	43	45	44	43	44	49	51	48	47	51	51	47	55	54	47	42	51	45	48	49	54	47	44	42	48	53	61	65	67	60	61	50.2
Ridgway	Maximum	54	44	54	43	51	56	60	68	74	68	68	66	67	62	62	62	65	63	68	67	71	63	58	65	72	80	79	81	70	77	75	64.9
	Minimum	34	36	36	36	35	41	44	35	36	48	33	35	50	54	32	30	34	27	28	30	38	24	40	25	29	34	37	48	62	40	45	37.3
Scranton	Maximum	57	47	51	45	55	55	65	63	70	72	67	65	73	65	57	63	65	63	63	69	71	61	58	60	71	79	82	82	79	76	74	65.3
	Minimum	40	41	42	40	37	45	45	45	41	53	48	46	47	48	40	36	45	41	46	44	46	39	40	35	38	45	49	58	58	51	55	44.6
Selinsgrove	Maximum	60	56	51	51	51	54	66	68	67	66	76	75	68	70	63	64	71	69	75	74	66	70	88	68	75	81	84	85	84	80	80	69.5
	Minimum	54	43	43	44	41	45	49	62	45	41	44	40	48	57	57	35	44	37	45	39	43	36	53	36	37	39	45	55	59	56	54	46.0
Somerset	Maximum	53	58	65	70	52	67	63	68	70	67	65	73	66	66	63	60	62	58	64	62	66	65	61	62	66	73	76	78	77	73	70	65.8
	Minimum	33	39	47	34	37	45	45	36	43	54	32	38	50	55	42	34	40	28	30	32	43	27	41	29	28	30	35	43	51	53	43	39.3
State College	Maximum	55	50	50	45	46	49	66	78	67	73	71	67	67	72	66	66	70	66	71	70	73	67	60	69	75	80	82	83	80	80	78	67.5
	Minimum	37	38	39	40	38	44	44	38	45	53	42	40	48	52	38	35	43	37	38	41	45	38	41	39	38	44	49	59	65	52	52	43.6
Stroudsburg	Maximum	62	48	51	70	67	68	69	70	68	72	62	68	71	68	72	67	70	68	68	70	72	78	71	67	76	82	85	87	87	83	87	71.7
	Minimum	38	40	41	40	35	38	42	37	54	42	40	35	41	38	40	40	42	35	42	35	40	45	38	40	33	38	44	51	53	49	50	41.2
Towanda	Maximum	58	48	49	47	52	53	63	63	69	72	66	67	71	65	57	64	64	64	64	70	72	62	58	62	74	80	83	82	76	76	75	65.4
	Minimum	39	39	39	37	33	45	45	43	36	52	40	40	41	47	35	29	43	35	40	39	38	31	41	30	34	37	43	55	55	49	50	40.6
Uniontown	Maximum	60	61	79	75	64	65	66	70	81	78	71	75	71	70	65	60	69	65	71	66	71	70	64	67	71	79	80	82	79	76	76	70.9
	Minimum	34	47	54	40	44	47	51	41	53	59	40	44	55	56	46	43	45	34	34	40	50	35	46	34	36	40	47	56	65	57	54	46.0
Vandergrift	Maximum	57	61	83	55	61	59	66	69	82	75	72	70	71	64	66	62	71	65	68	65	74	68	66	68	75	83	84	88	74	79	79	70.3
	Minimum	38	41	45	41	41	44	46	39	43	49	41	47	54	50	40	40	36	34	40	38	42	31	42	35	38	40	43	53	53	47	52	42.7
Warren	Maximum	48	47	48	48	48	50	54	63	72	65	68	65	64	66	52	58	58	55	58	60	64	64	54	60	65	72	74	77	79	74	70	61.3
	Minimum	40	36	38	35	38	40	40	38	42	40	43	45	46	50	35	35	38	35	38	37	42	33	42	33	36	44	45	58	62	54	50	41.5
Waynesburg	Maximum	58	59	79	77	64	65	65	71	82	78	72	77	74	71	67	65	69	66	72	67	72	72	67	68	71	79	80	84	81	77	76	71.8
	Minimum	33	43	51	38	42	46	50	36	43	58	40	41	52	55	43	42	45	34	35	41	48	35	45	35	36	39	45	54	64	54	55	44.5
Wellsboro	Maximum	58	50	47	45	45	53	47	67	68	73	67	67	67	64	60	64	64	64	64	68	70	63	56	64	74	83	84	80	71	78	73	64.5
	Minimum	34	35	35	36	33	40	42	37	38	50	32	35	38	49	32	26	36	28	32	38	36	38	38	25	28	60	38	43	63	41	41	38.0
Williamsport	Maximum	55	55	51	49	48	50	70	64	68	72	76	71	68	66	65	67	63	70	64	67	67	69	61	61	71	79	84	83	83	76	77	66.8
	Minimum	40	42	42	43	42	45	49	44	41	53	43	41	51	58	40	34	45	38	42	39	45	37	43	33	38	41	48	57	58	55	54	44.5
Williamstown	Maximum	58	55	47	47	48	51	68	67	67	73	75	74	71	73	68	66	70	68	73	73	72	71	68	66	70	81	83	83	83	79	78	68.6
	Minimum	37	39	38	39	38	41	47	41	44	49	45	41	50	55	40	38	48	39	44	44	49	40	41	39	46	51	57	59	63	60	50	45.5
York	Maximum	60	59	50	53	52	59	75	70	68	79	76	74	72	76	72	63	73	70	75	74	74	75	71	65	75	82	86	89	86	79	82	71.4
	Minimum	37	44	43	47	44	48	55	43	44	53	41	40	53	57	45	33	45	35	37	40	51	35	47	35	37	40	50	55	62	58	57	45.5

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

Vol. XL. June, 1935. No. 6.

GENERAL SUMMARY.

June averaged near the normal in both temperature and rainfall. The greatest departure in temperature was a short cool period that centered on the 19th. There is little more in the temperature record that is worthy of comment, except to say that the generally seasonable conditions were comfortable and pleasant, and were favorable for crop growth. The very small excess in the average rainfall did not offset much of the deficiency of more than three inches that had accumulated since January 1st, but it did serve to check the trend, inasmuch as each of the preceding five months had shown a deficiency. The month began with a dry top soil in many regions that slowed up crop growth considerably. On the 8th and 9th good soaking rains covered nearly all parts of the State, and vegetation responded quickly. Then from the 10th to 16th, inclusive, there was very little rain in any part of the State, and crop correspondents began to make unfavorable comments. Pennsylvania top soil generally dries out to an unfavorable condition with a week to ten days of actual drought. The best and most general rains of the month occurred during the five-day period, 18th to 22d inclusive. These rains delayed field work considerably, but drenched the soil thoroughly, and put all crops, including pastures and meadows, in good to excellent condition. At the close of the month some of the corn was cultivated for the last time, and the crop was very promising. Rye and wheat harvest was beginning in a few places, and both grains seemed to be better than average crops. Oats was mostly headed, some on short straw, and was generally reported as better than the crop of the previous season. Pastures and meadows were mostly in good condition. Early potatoes were mostly in bloom and looking fine. Truck crops and vegetables generally improved during the month, and made up some of the lost time that accrued by slow growth at the beginning of the season. Apples were reported as fair to good, and generally the best crop of the last five years. Peaches were only fair, and were scarce in some regions. Raspberries were ripening fast, and huckleberries were on the market. Some buckwheat had been sown. Considered as a whole, the month closed with a hopeful outlook in the crop situation. There were a few moderately severe local storms during the month, with minor losses by wind and hail. The streams averaged moderate stages, and there were no floods.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 89 stations, was 67.4°, which is 0.5° less than the June normal. The highest monthly mean was 74.2°, at Marcus Hook, and the lowest, 58.8° was reported from Gouldsboro. The highest temperature for the month was 96° at Carlisle on the 28th, and the lowest was 33° at Brookville, Ridgway, and Somerset on the 1st, and at Brookville on the 10th. The greatest daily range in temperature was 49° at Kylertown on the 16th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports from 138 stations, was 4.22 inches, which is 0.04 inch more than the normal amount for June. The greatest monthly amount was 7.27 inches at Philadelphia Navy Yard, and the least was 2.19 inches at Lebanon. The greatest amount recorded in any 24-hour period was 3.20 inches at Philadelphia Navy Yard on the 8-9th.

COMPARATIVE DATA FOR JUNE

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	68.4	+0.5	100	30	3.04	−1.14	6.90	1.08	......	9	12	11	7
1889	66.7	−1.2	95	33	5.43	+1.25	10.04	2.71	......	15	5	12	13
1890	70.1	+2.2	97	33	3.42	−0.76	5.74	1.30	......	9	12	11	7
1891	68.2	+0.3	100	30	4.50	+0.32	9.30	1.22	......	11	14	8	8
1892	71.8	+3.9	99	40	5.64	+1.46	10.55	1.83	......	13	9	11	10
1893	69.8	+1.9	100	38	3.12	−1.06	6.50	1.20	......	9	10	11	9
1894	69.6	+1.7	102	30	2.57	−1.61	5.31	0.61	......	10	13	12	5
1895	71.4	+3.5	104	32	3.50	−0.68	9.21	0.69	......	9	13	10	7
1896	67.4	−0.5	93	32	4.64	+0.46	9.11	1.89	......	11	10	11	9
1897	64.8	−3.1	96	28	3.38	−0.80	6.42	1.11	......	11	11	11	8
1898	69.6	+1.7	100	33	2.79	−1.39	6.96	0.56	......	9	14	11	5
1899	69.9	+2.0	101	32	3.51	−0.67	5.97	0.65	......	9	13	11	6
1900	69.9	+2.0	97	35	3.60	−0.58	10.29	1.35	......	10	11	12	7
1901	69.1	+1.2	103	32	3.47	−0.71	7.61	0.88	......	10	12	11	7
1902	66.0	−1.9	97	32	5.97	+1.79	8.93	3.35	......	13	11	12	7
1903	63.5	−4.4	90	34	6.53	+2.35	11.76	3.74	......	15	7	10	13
1904	67.9	0.0	96	32	4.06	−0.12	6.67	1.62	......	13	12	10	8
1905	68.0	+0.1	99	30	4.39	+0.21	8.35	1.77	......	13	11	10	9
1906	69.3	+1.4	97	28	5.43	+1.25	10.29	1.40	......	13	11	12	7
1907	63.6	−4.3	98	30	4.99	+0.81	8.55	2.79	......	12	11	9	10
1908	68.8	+0.9	102	28	2.36	−1.82	4.61	0.58	......	7	19	9	2
1909	68.8	+0.9	96	34	4.48	+0.30	8.96	1.89	......	13	12	9	9
1910	65.4	−2.5	95	32	4.31	+0.13	8.68	1.33	......	11	12	8	10
1911	68.3	+0.4	99	38	4.71	+0.53	10.11	2.13	......	12	12	10	8
1912	65.6	−2.3	96	29	3.36	−0.82	8.58	0.79	......	8	13	9	8
1913	68.2	+0.3	99	20	2.26	−1.92	7.61	0.66	......	7	19	7	4
1914	68.6	+0.7	101	25	3.71	−0.47	7.05	1.17	......	9	16	8	6
1915	65.6	−2.3	92	31	4.00	−0.18	6.80	1.51	......	11	14	10	6
1916	63.7	−4.2	89	28	6.14	+1.96	12.45	2.83	......	15	11	10	9
1917	66.8	−1.1	92	32	5.38	+1.20	9.85	2.25	......	14	12	11	7
1918	66.0	−1.9	98	29	3.46	−0.72	6.83	0.44	......	10	13	11	6
1919	71.2	+3.3	102	32	3.90	−0.28	9.17	1.74	......	10	16	9	5
1920	67.0	−0.9	99	32	4.97	+0.79	8.37	2.25	......	13	12	11	7
1921	70.6	+2.7	101	26	3.12	−1.06	9.86	0.70	......	8	17	9	4
1922	69.5	+1.6	96	30	5.11	+0.93	12.46	1.78	......	13	11	11	8
1923	70.9	+3.0	103	32	2.73	−1.45	7.99	0.41	......	9	16	9	5
1924	65.8	−2.1	98	26	5.57	+1.39	9.75	2.23	......	15	11	11	8
1925	71.9	+4.0	104	29	3.04	−1.14	7.02	0.62	......	9	16	11	3
1926	64.1	−3.8	94	23	3.63	−0.55	6.56	1.20	......	12	13	10	7
1927	63.8	−4.1	99	25	3.72	−0.46	6.78	1.59	......	9	15	8	7
1928	65.5	−2.4	93	30	7.96	+3.78	13.14	3.96	......	17	9	9	12
1929	67.8	−0.1	98	28	3.56	−0.62	6.77	1.10	......	10	15	10	5
1930	69.1	+1.2	100	22	4.20	+0.02	13.02	1.56	......	9	17	8	5
1931	68.5	+0.6	102	28	3.71	−0.47	8.08	1.23	......	9	16	8	6
1932	68.5	+0.6	98	26	3.15	−1.03	7.08	0.73	......	11	13	9	8
1933	70.9	+3.0	107	28	2.58	−1.60	6.57	0.67	......	9	18	8	4
1934	72.9	+5.0	104	35	3.64	−0.54	6.15	1.12	......	9	17	9	4
1935	67.4	−0.5	96	33	4.22	+0.04	7.27	2.19	......	12	13	9	8
Period	67.9	....	107	20	4.18	....	13.14	0.41	......	11	13	10	7

W. B. O. Philadelphia-7-29-35-1050.

Climatological Data for June, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in Inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	69.4	0.0	92	17	50	2	32	4.55	+1.10	1.20	0	13	16	2	12	ne.	John A. Frick.
Altoona	Blair	1,615	48	66.0	−0.3	92	27	43	2†	36	3.52	−0.34	1.09	0	9	13	10	7	w.	John J. Martin.
Ardmore	Montgomery	350	3	69.4	−0.7	92	17	50	2	32	4.55	+0.57	0.95	0	13	8	13	9	......	H. L. Balderston.
Arendtsville	Adams	700	13	68.2	−2.1	93	30	45	2	36	3.11	−1.31	1.11	0	11	22	4	4	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	68.2	......	92	19	42	1	41	4.20	....	1.34	0	11	18	7	5	nw.	Charles C. Lee.
Bellefonte	Center	1,050	27	65.3	−3.4	89	29	40	10	38	3.00	−1.88	0.76	0	11	0	15	15	sw.	U. S. Airway Radio Sta.
Bethlehem	Northampton	364	50	70.2	0.0	91	17†	52	2	34	4.84	+0.80	1.45	0	13	19	2	9	sw.	Lehigh University.
Carlisle	Cumberland	467	69	71.6	+0.6	96	28	47	2	42	4.58	+0.50	1.52	0	12	16	8	6	s.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	69.4	+1.2	92	17	44	2	40	4.91	+0.94	1.25	0	12	19	6	5	......	W. L. Gearhart.
Center Hall	Center	1,272	39	60.6	−5.4	92	29	39	6	41	4.86	+0.44	1.30	0	12	19	2	9	......	S. W. Smith.
Chambersburg	Franklin	580	36	70.4	+1.0	93	18	46	1†	37	2.51	−1.60	1.41	0	10	10	13	7	sw.	William B. Spear.
Clearfield	Clearfield	1,120	28	65.6	−1.3	92	18	37	10	48	3.89	−1.07	1.10	0	12	11	11	8	nw.	E. W. Hess.
Coatesville	Chester	380	48	70.0	0.0	92	17†	48	2†	34	5.47	+1.40	1.15	0	11	10	5	15	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	66.2	−1.9	90	27	46	1†	34	2.65	−1.57	0.73	0	11	18	5	7	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	65.0	−0.8	87	14†	39	2	43	4.84	+0.34	1.78	0	13	10	15	5	sw.	T. B. Lloyd.
Ephrata	Lancaster	380	43	71.0	+2.5	95	28	48	2	37	2.87	−1.45	0.71	0	12	14	9	7	s.	Ira J. Keath.
Freeland	Luzerne	1,970	42	64.8	+0.2	87	17	45	1	30	5.52	+0.98	1.32	0	14	8	10	12	w.	Theo. Reichmann.
George School	Bucks	190	29	69.9	+1.3	90	17	47	2	34	4.80	+1.43	1.44	0	17	17	6	7	w.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	70.4	+0.5	93	28	49	2	33	2.89	−1.02	0.68	0	11	20	4	6	s.	Dr Henry Stewart
Gordon	Schuylkill	840	31	66.0	+0.4	90	17	39	1	40	6.72	+2.18	1.91	0	15	16	6	8	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	58.8	+1.2	78	14†	40	2	28	4.06	−0.93	1.10	0	11	16	7	7	w.	Ronald H. Marshall.
Hamburg	Berks	535	42	69.4	+0.4	94	29	45	3	41	3.03	−1.18	1.20	0	8	18	7	5	w.	State Sanatorium.
Hanover	York	600	31	71.5	+0.6	95	30	52	1†	31	2.72	−1.27	0.91	0	12	19	5	6	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	70.1	−0.2	91	28	54	11	30	3.33	−0.26	1.06	0	14	8	13	9	w.	U. S. Weather Bureau.
Hawley	Wayne	900	17	64.5	−1.8	88	14†	40	2	42	5.09	+1.30	1.10	0	14	13	9	8	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	73.4	+1.8	93	17	59	2	25	5.31	+1.97	1.55	0	12	16	7	7	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	66.5^{a}	−1.8	92^{a}	14	35^{a}	11	46^{a}	2.97	−1.31	1.30	0	12	14	8	8	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	68.7	+1.3	94	18	41	1†	45	3.54	−1.25	0.78	0	13	9	12	9	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	64.0	......	90	14	34	10	49	3.31	....	0.87	0	11	15	6	9	sw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	48	70.0	0.0	95	29	45	2	40	3.72	−0.25	0.70	0	12	17	9	4	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	66.7	+1.1	93	17	35	1	48	5.35	+1.39	1.00	0	10	14	10	6	......	C. P. Darling.
Lebanon	Lebanon	469	51	70.0	+0.4	94	27	49	2	35	2.19	−1.96	1.06	0	11	19	8	3	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	68.6	−0.9	92	14†	45	2†	39	4.63	+0.28	0.94	0	15	8	18	4	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	74.2^{a}	......	95	16	55^{a}	1	29^{a}	5.42	....	......	0	13	21	2	7	se.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	65.3	−2.5	90	28	42	2	41	5.61	+1.19	1.63	0	11	19	3	8	w.	R. K. Wintermute.
Mifflin	Juniata	445	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. H. Manbeck Co.
Montrose	Susquehanna	1,658	31	... ...	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Vacant.
Mt. Pocono	Monroe	1,720	29	62.4	+0.7	85	29	45	1	34	3.19	−2.06	0 46	0	13	11	8	11	sw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	23	63.6	−1.6	87	15	38	2	41	4.72	−0.21	0.97	0	11	17	4	9	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	69.3	+0.7	91	17	46	2	37	4.48	+0.72	1.20	0	12	13	5	12	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	67.8	......	90	17	49	2	31	5.28	+1.05	1.91	0	13	16	8	6	s.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	71.5	+0.1	90	27	55	19	25	6.25	+3.01	2.05	0	15	8	13	9	s.	U. S. Weather Bureau.
Philadelphia-Gtn	Philadelphia	113	10	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Vacant
Phila. Navy Yard	Philadelphia	12	19	71.9	+0.1	93	17†	53	2	30	7.27	+3.46	3.20	0	13	4	16	10	sw.	Commandant, Navy Yard.
Phœnixville	Chester	100	25	71.6	+0.6	94	17	46	2	38	4.43	+0.82	0.89	0	10	8	15	7	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	50	68.0^{b}	−0.3	91^{b}	17	42^{b}	2	39^{b}	4.31	+0.69	0.76	0	13	15	7	8	w.	John E. Benner.
Reading	Berks	514	65	69.9	+0.1	91	27	53	2	26	2.76	−0.79	0.75	0	16	3	17	10	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	66.7	......	88	17	43	1	34	3.54	....	0.75	0	13	14	10	6	sw.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	67.6	−0.2	89	17	49	2	33	4.33	+0.66	1.25	0	16	7	12	11	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	67.9	−1.0	92	15	43	2	38	3.54	−0.66	1.06	0	11	14	7	9	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	72.0	0.0	91	17†	52	2	31	4.12	+0.63	1.02	0	12	19	3	8	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	......	......	......	.. ...	48	1	....	3.04	....	1.67	0	6	15	9	6	sw.	State Teachers College
State College	Center	1,217	51	66.5	+0.1	89	14	45	1†	37	3.78	−0.51	0.91	0	11	16	11	3	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	66.6	+0.2	91	17	44	2	40	4.36	−0.14	1.00	0	11	17	4	9	w.	State Normal School.
Towanda	Bradford	754	41	65.0	−0.5	89	17	40	2	43	4.25	+0.44	1.45	0	14	10	10	10	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	63.2	−1.1	91	14	35	1†	48	2.64	−1.35	0.70	0	11	17	5	8	nw.	George W. Hill.
West Chester	Chester	455	86	69.5	0.0	88	17†	52	2	25	4.84	+0.57	1.05	0	11	12	11	7	s.	Joseph W. Belt.
Williamsport	Lycoming	521	49	67.0	−1.8	91	28	47	1	35	3.19	−0.74	0.80	0	14	14	6	10	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	67.9	+0.4	89	17†	49	19	30	4.59	−0.22	1.77	0	12	10	12	8	sw.	Susquehanna Collieries Co.
York	York	400	47	69.7	−0.2	95	27	45	1	35	3.17	−0.41	0.78	0	12	16	9	5	sw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	67.8	−1.3	88	29	46	6†	37	7.20	+2.59	2.31	0	13	5	9	16	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	62.3	0.0	88	30	33	1†	44	4.74	+0.44	1.22	0	12	16	6	8	......	Frank S. Fawcett.
Butler	Butler	1,077	22	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	William C. Faust.
Chambersville	Indiana	1,047	5	66.3	−1.3	89	14†	38	1†	43	3.38	−1.48	0.69	0	15	12	5	13	w.	John E. Lewis.
Clairton	Allegheny	1,020	3	66.4	......	88	29	42	13	38	4.12	....	1.30	0	11	5	10	15	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	68.3	−0.5	91	28†	42	1	40	5.16	+0.75	1.73	0	16	13	8	9	s.	J. L. Melvin.
Corry	Erie	1,430	22	63.6	−1.0	88	16	38	1†	46	4.77	−0.55	1.25	0	12	8	18	4	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	67.9	−0.6	90	29	41	10	34	3.37	−1.52	0.76	0	12	10	14	6	w.	Ted R. Wineman.
Ebensburg	Cambria	2,000	18	64.1	−0.2	86	17†	39	16	44	3.26	−1.44	0.66	0	14	19	9	2	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	62.8	−0.8	85	14†	38	1†	40	5.09	−0.52	1.20	0	12	11	11	8	w.	J. S. Stevanus.
Franklin	Venango	957	61	97.2	+1.4	94	29	41	10	45	4.27	−0.24	1.13	0	9	12	3	15	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	26	66.4	−1.6	87	14†	39	11	32	4.49	+0.11	0.82	0	13	6	21	8	s.	Westmoreland Water Co.
Greenville	Mercer	950	39	67.0	+0.5	91	29	34	9	46	3.40	−0.58	0.83	0	9	15	10	5	. ....	Charles P. Clarke.
Grove City	Mercer	1,256	28	66.0	+0.5	90	29	40	5	37	4.22	+0.19	1.08	0	12	8	10	12	w.	Prof. H. W. Harmon.
Johnstown	Cambria	1,184	53	68.5	−0.7	90	14†	44	1†	42	3.06	−2.11	0.44	0	16	15	12	3	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	60.9	......	84	28	39	5†	43	4.71	....	1.08	0	12	11	5	14	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	65.8	−2.4	92	29†	42	1	37	3.51	−1.17	1.00	0	9	4	21	5	sw.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	69.4	+4.5	89	14	45	8	24	3.85	−0.27	1.40	0	15	11	8	11	s	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	67.6	......	89	29†	47	1†	34	3.69	....	0.94	0	12	10	8	12	nw.	Fred Hoffman.
New Castle	Lawrence	808	55	67.6	−1.2	89	3†	40	10	38	4.30	−0.01	1.10	0	17	11	18	1	w.	New Castle Water Co.
Newell	Fayette	800	15	66.8	−2.5	85	3†	44	6	34	3.37	−0.68	0.59	0	15	19	8	3	......	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	70.1	−0.6	90	29	52	10	33	3.35	−0.46	0.95	0	13	6	9	15	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	63.6	−0.4	88	29	33	1	46	3.79	−0.60	1.10	0	12	11	11	8	s.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	66.8	−0.7	90	14	42	9†	41	3.00	−0.46	1.15	0	11	12	9	9	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	62.7	−2.7	86	30	33	1	44	3.34	−1.86	0.74	0	12	5	13	12	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	68.5	−1.4	88	2†	43	1	36	3.81	−0.96	0.80	0	19	10	16	4	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	68.2^{c}	−0.8	92^{c}	14	42^{c}	10	39^{c}	3.86	−0.76	0.90	0	12	15	11	4	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	65.2	+0.4	86	30	40	10	30	5.22	+0.89	1.86	0	13	14	6	10	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	67.9	....	87	18†	43	1	38	3.21	....	0.46	0	15	2	17	11	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	65.4	−0.8	89	14	48	8	29	2.68	−0.66	0.71	0	14	10	12	8	w.	U. S. Weather Bureau.
For the State	....	....	....	67.4	−0.5	96	28	33	1†	49	4.22	+0.04	3.20	0	12	13	9	8	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for June, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh				.03	.33	.29		T.	.70	.14			.11					.16	.42	.61		.14	.02	T.				.40		1.20		4.55
Altoona	Juniata				.10				.33	.35						T.		.19	.52	1.09	.54	.01	.39		T.								3.52
Ausonia‖	W. Br. Susq				.37		.09		.08	.36								T.	.44	.74	.23	.15	.42	.11	.01	.09			.04		T.		3.13
Ardmore	Lower Del				.26	.02	.57		.57	.50	.01							.04	.37	.95		.27	.55					.23		T.	.21		4.55
Arendtsville	Lower Susq				.01	.01	.24		.29	.82								.35		.41	.15		.21			.28				.34			3.11
Baker's Summit	Juniata			.08	.10				.53	.50						.01		.61	.07	2.16	.64	.15	.48		.01				.01		.02		5.37
Bedford	Juniata			T.	.37	T.			.56	.50						T.		.37	.10	1.24	.24	.05	.68		.05			.04		T.	T.		4.20
Bellefonte***	W. Br. Susq			.01	.28	T.		.06	.18	.76								.32	.72	.32	.07	.06	.22		T.			T.					3.00
Bethlehem	Lehigh			T.	.25		.19		.22	.60				.17		.05			.54	.01	.43	T.	.19	.01				T.	.73		1.45		4.84
Bloserville‡‡	Lower Susq			T.					1.00	.70									.10	.20					.50			.30		T.			2.80
Buffalo Mills	Juniata				.35				.31	.71							.07		.20	.72	.55		.53			.10					.20		3.74
Carlisle	Lower Susq			.01	.07	T.	.02	T.	1.04	.48								T.	.24	.12	.13	T.	.94		T.	.23		.35		.95	T.		4.58
Catawissa‡	N. Br. Susq				.12		.22	.40	.70	.20			.03					.50	1.25	.14	T.	.32						.48		.55			4.91
Center Hall	Susquehanna			.04	.28				.12	.46				.12			.38	.74	1.30	.98	.24	.18		.02									4.86
Chambersburg	Potomac			T.	.04	T.	.05		.87	.54						T.			.14	.04	.24	T.	.50		.04			T.	.05				2.51
Clearfield	W. Br. Susq			T.	.48	T.	T.		.11						.25	.02		.12	1.10	.67	.10	.40	.40	T.	.22	.02							3.89
Coatesville	Lower Del				.15		.58		.56	.62						.05		.36	.20	.83			1.15			.04		.93					5.47
Colebrook	Lower Susq			.01	.30		.34		.52	.73								T.	.13	.15	.04		.13		T.			.20		.10			2.65
Conshohocken	Schuylkill																																
Cresson‡	Juniata																																
Doylestown	Lower Del			.01	.60		.98		.11	.65	.03			.26		.02			.58	.25	.60	.34	.17	T.				.19			.01		4.80
Emporium	W. Br. Susq			T.	.59	.03	.07	.08	.07	.07						T.		.58	1.78	.44	.20	.51	.35	T.	.07			T.					4.84
Ephrata	Lower Susq				.44		.33		.20	.71								.17	.10	.29	.19	T.	.14	.01				.16	T.	.13			2.87
Forest City	N. Br. Susq		.45			.60	.20		.48		T								.50	.42	.09	.17	.85	.18	T.	.35	T.		.42	T.			4.71
Freeland‖	Lehigh	.03			T	.17	.62		.21	.93	.03								.66	.30	.28		1.22	.10	T.	.06			.05		.86		5.52
Galeton	W. Br. Susq				1.20		.04	.25		.25								.43		.52	.54	.08	.54		.11			.05					4.01
George School	Lower Del			T.	.50	.03	.62	.02	.46	.98	.01	.01				.01			.55	.33	.91	.01	.15	.01					.12		.08		4.80
Gettysburg	Potomac			T.	.01		.32		.48	.68						T.		.18	.10	.45	.06	T.	.16			.33				.12			2.89
Girardville‖	Lower Susq				.24	.29		.44	.91	.18			.04					.37	1.34	.46		1.37	.10		.24			.06		.76			6.80
Gordon	Lower Susq				.32	.04	.48		.69	.69				.01				.38	1.29	.04	.19	T.	1.91	.45				.16		.05	.02		6.72
Gouldsboro‡‡	Lehigh	.02				.24	.22		.23	.77		.04						1.10	.28		.26		.85								.05		4.06
Graterford	Schuylkill			T.	.08		.68		.16	1.16				T					.23	.11	.86		.14					.86			2.18		6.46
Hamburg	Schuylkill			.20			.20			.90				.30					*	1.20			.20					.03					3.03
Hanover	Lower Susq				.02	T.	.91		.26	.66						.06		.09	.15	.12	.10		.17			.03				.15			2.72
Harrisburg***	Lower Susq			T.	.04	.17		.40	.81	.21			.05		T.			.03	.09	.11	.08	.53	.05		T.			.06		.70			3.33
Hawley‖	Upper Del	.15				.45	.40		.32	.88								.12	.43	1.10	.24		.89	.02		.05			.03		.01		5.09
Hollisterville	Upper Del	.06				.23	.34		.27	.62	.05					T.		T.	.36	.85	.34	.03	1.50	.11	.02	T.			.02				4.80
Holtwood‡‡	Lower Susq				.05		.38		.60	.63						.08			1.16	.35	.27		.18			.04		.02		1.55			5.31
Huntingdon	Juniata			.09	.04	T.			.27	.52						.03		.09	.10	1.30	.10	T.	.38	T.	.02					.03			2.97
Hyndman	Potomac				.25				.67	.39						.05		.02	.20	.78	.35	.04	.56		.14	.07				T.	.02		3.54
Kylertown	W. B. Susq			.14			.07		.24	.55								.25	.12	.87	.13	.17	.41		.36								3.31
Lakeville‖	Upper Del	.01				.20		.25	.28	.80	.03	.01						.02	.33	1.71	.35		1.33	.05	T.		.03		T.		.40		5.80
Lancaster	Lower Susq				.36	.36			.22	.65								.09	.05	.56		.23	.39		.03			.08		.70			3.72
Lansford‖	Lehigh				T.	.18	1.05		.12		.83			.06				T.	.14	1.64	.28	T.	.88	*	.06	.02			.28		1.51		7.05
Lawrenceville	N. Br. Susq			T.	.45		T.		.50	.45						T.		T.	.95	.33	.80	1.00	.72	T.	.10			.05					5.35
Lebanon	Lower Susq			T.	.20	.35		.16	.90	T.			.06				T.	.12	.08	.12	T.	.15	.01					.04		T.			2.19
Lehighton	Lehigh					.27	.67			.94	T								.24	1.81	.26		.27	T.					.27		2.10		6.83
Lock Haven	W. Br. Susq			.01	.34		T.		.03	.94								.23	.47	.30	.70	.04	.70	.01	.79	.05		.01			.01		4.63
Marcus Hook	Lower Del				.12		.64			*	2.30					.01		.27	*	*	1.83	*	.07				.10			.08			5.42
Matamoras‖	Upper Del	.10				.21	.46			1.07							.12		.35	.25	.40		.24					.12		.53			3.85
Mauch Chunk	Lehigh			T.	.15		.54		.35	.69								.29	1.34	.24	.12	T.	.38					.49		1.02			5.61
Mifflin	Juniata																																
Montrose	N. Br. Susq																																
Morris Run	N. Br. Susq				.43		.04		.02	.87						T.		.15	.65	.62	.50	.10	.32		.30			.15					4.15
Mount Pocono	Upper Del				.14			.30	.30	.43						.06		.20	.23	.34	.35	.03	.46					.20		.15			3.19
Muncy Valley	W. Br. Susq				.26		.03		.77	.89								T.	.54	.25	.43	.03	.45		.97	T.		.10					4.72
Neshaminy‖	Lower Del			T.	.49		.54		.90	.58	.01					.03		.37	.12	1.20	.02	T.	.19	T.				.03					4.48
New Park	Lower Susq		.04				.53		.40	.63					.18			.14	.14	.47		.24			T.			.13		.75			3.65
Newport‖	Juniata				.04	.03	.03		.38	.98				.78				.22		.45	.20		.55	.45		.02			.10		.63		4.86
Palmerton‡	Lehigh			T.	.36	.20	.09		.49	.39								.19	.89	.46		.22	.01		.07			T.		1.56	.35		5.28
Paupack‖	Upper Del	.05			.45	.26			.30	.78									.64	.88	.25		.80	.05		.02			.24		1.19		5.91
Philadelphia***	Lower Del			T.	.14	.01	.64		1.57	.48	.09					.06		.06	.35	1.64	T.	.10	.74					.31		.01	.05		6.25
Philadelphia-Gtn	do																																
Phila. Navy Yard‖	do				T.	.20	.81			3.18	.02	.05				.08			.15	.82	.91		.21	.44					.32		.08		7.27
Phila-P'nt Breeze.‡	Lower Del			T.	.22	T.	.78		*	2.09	.15	.04						.15	.08	.81	.74	*	.84					.21			.14		6.25
Phoenixville	Schuylkill	T.		T.	.26		.55		.05	.89						T.			.79	.34	.56	T.	.30	.13		T.		.56			T.		4.43
Pine Grove	Lower Susq			.01	.26	.67		.02	.80	.13			.02					.17	.35	.17	.04	.50	.80		.05			.14	T				4.13
Pleasant Mount	Upper Del																																
Pottstown	Schuylkill																																
Pottsville	Schuylkill				.34		.78		.27	.79						T		T	.75	.30	.22		.73	.10		.05	.37				T.		4.70
Quakertown	Lower Del			T.	.30		.32		.47	.76				.74					.28	.01	.45	.31	.20	.06				.32			.09		4.31
Reading***	Schuylkill			T	.36	.21	.10		.53	.24			.40	.08		T.		.13	.03	.31	.03	.05	.06		T.			.02		.02	.19		2.76
Renovo‖	W. Br. Susq				.20		.10		.03	.67							T.		.35	1.30	.40	.12	.32	.04		.29			.02				3.84
Retreat	N. Br. Susq				.11		.42		.14	.75								.12	.50	.44	.15		.37	T.	.40	.04		.08		.02			3.54
cranton***	do			T.	.27	.16	.09	.36	.24	.38					T.	T.		.32	.13	.52	.15	.87	.38	T.	.33	.07		.03		.03			4.33
elinsgrove	Lower Susq				.20				.50	.57								.05	.12	1.06	.40	.20	.27	.02	.15								3.54
hawmont	Schuylkill	.01			.30		.54		.26	.76						.03			.35	.23	.71		.28	.24					.41				4.12
hippensburg	Lower Susq	T.			T.		T.		.94	.73						T.		T.		.06	.46		.82		T.	.03		T.		T.			3.04
now Hill‡‡	Upper Del					.11	.88			.92			.07					1.30		.85		.38							.28	.98			5.77
tate College	W. Br. Susq			.05	.17	T.		T.	.26	.67				.02				.28	.91	.75	.36	.19	.12										3.78
troudsburg‖	Upper Del					.30	.20			.60	.21								.32	1.00	.30	.13	.25						.10		.95		4.36
unbury	Lower Susq				T.	.24	.11		.44	.66				.47					.38	1.48	.20		.25	.01	T.	.41			T.		T.		4.65
Susquehanna	N. Br. Susq				.03	.42	.15	T.	.65	.35	.08						.02	.10	.21	.29	.06	.11	.52	.07		.08			.39				3.53
Towanda	do			.06	.30		.01	.34	T.	1.45								.13	.32	.29	.18	.13	.41	.10	.08			.45					4.25
Weikert	Lower Susq				.22			.24		.75			.20					.42	1.60	.72	.36	.45	.09		.05					.07			5.17
Wellsboro	W. Br. Susq				.04			.03	.08							T.		.20	.28	.70	.40	.19	.10	.07	.55			T.					2.64
West Chester	Lower Del				.37		.63		.32	.73						.07		.22	.24	.72	.55		.24					.75					4.84
Westgrove‖	do					.34	.68			.77	.01					.17			.07	.81	1.12		.25						.62		.10		4.94
Wilkes-Barre‖	N. Br. Susq	.05			T.	.27	.38		.44	.95	.03	T.							.50	.64	.30		1.13	T.	T.	.25			T.				4.94
Williamsport‖	W. Br. Susq	.01		.02	.45	.01	T.		.26	.80									.29	.57	.13		.24	.18	.03	.11			.09				3.19
Williamstown	Susquehanna			.01	.10		.16		.83	.95				T.		T.		.02	.27	.04	.15	T.	1.77	.25				.04					4.59
York	Lower Susq				T.	T.	.65		.27	.65								.03	.35	.10	.12		.06	.02		.04		.10		.78			3.17
York Haven‖	Lower Susq					.40	.30		.08	.91	.01								.01	.35	.14		.12						.06				2.38
ionsville..(near)	Schuylkill			.01	.52		.44		.53	.66				.22					.50	.06	.62	.05		.12				.13			.22		4.08
Trenton, N. J***	Lower Del			T.	.12	T.	.50	T.	.90	.54	.02		T.					.54	.38	.81	.01	.06	.06					.15		T.	T.		4.09

Continued on page 29.

Daily Precipitation for June, 1935—Continued from page 28

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio			.68	1.53	T.	.12		.12							.04	T.	.01	.70	2.31	.19	.10	1.01	.34	.05			T.					7.20
Beaver Falls‖‖	Beaver			.23	1.14	T.	.06	T.	.33						T.	.02	T.	T.	.22	1.24	.21	.07	1.00	.24	.02			T.					4.78
Bradford	Allegheny				1.62		.04	.43	.03									.68	.02	.43	.07	.35	.78	.25	.17			.17					5.04
Brookville	....do			.04		T.	.06	.02	.19						.07				1.10	1.22	.54	.80	.20	.12	.38				T.				4.74
Butler	Ohio																																
Chambersville	Allegheny			.20	.63	.02		.10	.11	.12					T.	.16		.33	.06	.69	.10	.07	.60	.12	.07								3.38
Clairton‡	Monongahela		.23		.61	.18		.15	.13							T.	T.	.50	1.30	.33	T.	.25	.43		.01								4.12
Claysville	Ohio			.15	1.73	.28		.06	.15	.01			.04		T.	.09		.07	.19	.76	.13	.06	.95	.01						.48			5.16
Clymer‡‡	Conemaugh																																
Confluence‖‖	Youghiogheny				.28				.22	.95					.10			.12	.35	.27	.25		.45	.15		.10			.04		.05		3.33
Corry	Allegheny					.04	.14	.24								.05		.75	.02	.50	.75	1.25	.70	.23				.10					4.77
Derry	Conemaugh			.19	.27	T.	.07	.09	.28	.13						T.		.76	.43	.40	T.	.03	.56		.16			T.					3.37
Donora‖‖	Monongahela			.31	.77	T.	.11		.13	.15						.01		T.	.20	.70	.11	T.	.56	T.		.14				.08			3.27
Ebensburg	Conemaugh				.18		.03		.37	.10						.05		.20	.66	.58	.06	.20	.50	.06	.25	.02							3.26
Elk Lick	Youghiogheny			.25	.41				1.20						.20	.50	.10		.90			.62	.21		.10			.20		.40			5.09
Franklin‖‖	Allegheny				1.13		.47		.11							T.			.46	.80	.26	.31	.70	.03									4.27
Greensboro	Monongahela			.26	.23	.04	.01		.38	.60			T.			.10	.11		.35	.63	.21	.01		.12		.03			.07				3.15
Greensburg	Youghiogheny			.48	.31	.04	.03	.06	.36	.12			T.			.23	T.	.59	.54	.74		T.	.82		.17			T.		T.			4.49
Greenville	Beaver				.27	T.		.15							T.			.52	.75	.30	.14	.39	.83	.05				T.					3.40
Grove City	....do			.07	.68	.05	.27	.10	.03						T.	T.		.18	.63	1.08	.14	.84	.15	T.				T.					4.22
Herrs Isl. Dam‖‖	Ohio			.18	.73	.01	.06		.11	.07							.01	T.	.15	.72	.21	.22	.50	.29	.04	.02			T.				3.32
Irwin	Monongahela			.62	.50	.06	.06	T.	.25	.20						.04		.76	.55	1.30	.09	.05	.75	.02	.40			T.		T.	T.		5.65
Johnstown	Conemaugh			.04	.37		.06		.42							.35	.03	.27	.14	.44	.18	.18	.20	.02	.19			.14			.03		3.06
Kane (near) ‡‡	Allegheny			T.	.61	T.	.11	.30	.09	T.						T.		.31	.71	.84	.25	.20	1.08	.16	.05	T.		T					4.71
Kregar‖‖	Youghiogheny		.05	.89	.07	.11		.10	.71	T		T.			.03	.01		.13	1.26	.31		.40	.05		.08			.08					4.28
Lake Lynn‖‖	Monongahela			.02	.64	.02	.15		.43	.64			.04	.14		.03	.08		.58	.30	.08		.44	.05		.09			.37		.02		4.12
Linesville‖‖	Beaver																																
Lock No. 2‖‖	Ohio			.05	.92		.06		.28	T.						.02	.10		.18	.95	.01	.15	.35	.17	.09	.02							3.35
Lock No. 4‖‖	Monongahela			.23	.58	.02	.09		.15	.22						.03			.18	.66	.19	.02	.58	.06		.03			T.		.13		3.17
Lock No. 5‡‡‖‖	Allegheny			.48	.76	T.	.17		.25	.12						T.	T.		.34	.85	.13	.05	.54	.22	.10	.03							4.04
Lycippus	Conemaugh			.30	.34				.59								.08	.39	.23	.53			1.00	T.	.05			T.					3.51
McKeesport‖‖	Monongahela			.26	.62	T.	.06		.08	.04									.51	.56	.09	.04	.88	.01		.02							3.17
Meadville	Allegheny				.88	.28	.03	.15	.05						.01	.02		.02	.02	.41	.19	.28	1.40	.04				.07					3.85
Mosgrove	....do			.12	1.50	T.	.22		.19	.04									.76	1.25	.20	.09	.70	.11	.20	.05							5.43
Mount Lebanon	Ohio		.30	T.	.94	.11		.12	.09						T.			.22	.77	.36	T.	.37	.36		.03			.02					3.69
Natrona‖‖	Allegheny			.58	.90		.21		.15	.13						T.	.01		.26	1.09	.17	.06	.82	.23	.02	.01			.02				4.66
New Castle‖‖	Beaver		T.	.03	.43	.03	.65	.01	.24		.01			T.		.01	.04	T.	.72	.53	.05	.22	1.10	.14	.08	.01							4.30
Newell	Monongahela			.59	.36	.02	.02		.16	.21						.04		T	.45	.58	.34	.05	.38	.03	T.	.05			.09				3.37
Parkers Landing‖‖	Allegheny				.86	T.	T.		.33							T.			.32	.93	T.	.03	1.08	.10	T.	T.			T.				3.65
Pennline‖‖‡‡	Beaver				.22	.02	T.	.09	.43							.11			.25	.41	.31	.11	1.75	.23	.03			.11					4.07
Pittsburgh***	Ohio		.17	T.	.78	.06		.12	.04						T.	.01	T.	.14	.75	.23	.12	.39	.42		.12			T.					3.35
Punxsutawney‖‖	Allegheny																																
Ridgway	....do			1.10			.08		.28	.02									.48	.86	.07	.07	.68	.08		.05			.02				3.79
Saltsburg‖‖	Conemaugh			.60	.76	.01	.01		.12	.26									.30	.58	.34	.10	.54	.35					.04				4.01
Sharon‖‖	Beaver			T.	.25	T.	.04	T.	.15							.02			.69	.36	.03	.18	1.15	.12	T.			.01					3.00
Smethport	Allegheny																																
Somerset	Youghiogheny			.09	.24				.74	.52						.04		.49	.24	.20	.19	.04	.52		.03				T.				3.34
Springdale‖‖	Allegheny			.25	1.10		.22		.09	.09						T.	.01		.29	.67	T.	.06	.60	.10		T.							3.48
Uniontown	Monongahela			.09	.32	.01	.08	T.	.75	.18		.07			T.	.27	.01	.11	.13	.80	.03	.07	.32	.01	.39			.04		.13			3.81
Unity Reservoir‡‡	Youghiogheny			.35	.28			T.	.45	.17						.13		.33	.36	.78		.05	.70		.10					.02			3.72
Vandergrift‡	Conemaugh		.11		.90	.15				.31								.13	.65	.27	.04	.45	*	*	.85			T					3.86
Warren	Allegheny				1.86	.18	.04	.24										.58	.20	.35	.20	.40	.26	.73	.10			.08					5.22
Waynesburg	Monongahela			.26	.24	.14		.13	.46	.06						.36		.18	.30	.31	.23	.06	.36					.10		.02			3.21
Westford‖‖	Beaver				.38	.18	.04	.16							.10			.22	.42	.32	.20	1.24	.04				.02						3.32
West Newton‖‖	Youghiogheny			.48	.49		.08		.07	.15			T			T.		T.	.29	.54	.12	T.	.50	.09		.07			T	.06			2.94
Lake Drainage.																																	
Erie***	Lake Erie		T.	.49	.14	.13		.56							.01		T.	.04	.12	.17	.06	.53	.18	.08	.13			.04					2.68

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Clymer, Indiana; of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity *	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.93	30.26	1	29.50	17	11.2	30	sw.	14	72	62	66	68
Harrisburg	29.93	30.25	2	29.53	17	6.8	25	nw.	27	73	52	62	69
Philadelphia	29.95	30.29	2	29.52	17	11.5	39	sw.	17	73	56	68	63
Pittsburgh	29.95	30.24	1	29.57	17	9.0	34	w	18	79	60	66	56
Reading	29.93	30.25	2	29.53	17	10.3	47	se.	19	61	52	72	46
Scranton	29.94	30.27	2	29.50	17	5.7	24	nw.	22	72	49	58	63

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.5	3.2	11	1.8	17	18
Phillipsburg	Delaware	2.0	2.9	11	1.4	4	22
Lehighton	Lehigh	3.1	4.0	22	2.6	4	17
Wilkes-Barre	Susquehanna	3.0	3.8	25	2.3	18	20
Williamsport	Susquehanna	1.9	3.7	24	0.8	17	20
Harrisburg	Susquehanna	3.9	4.2	25	3.5	17	17
Greensboro	Monongahela	11.9	17.2	19	10.7	15	30
West Newton	Youghiogheny	1.1	2.0	10	0.4	4	20
Lock No. 4	Monongahela	12.6	16.6	20	11.2	16	30
Pittsburgh	Ohio		13.2	24	10.2	16	25
Beaver Dam	Ohio		15.1	25	10.4*	16	30

* —Pool stage.

Daily Temperatures for June, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	82	82	76	69	82	76	82	63	67	71	78	83	85	89	90	82	92	80	69	72	78	81	71	76	82	86	91	90	89	87	....	80.0
	Minimum	56	50	56	61	58	58	55	60	56	53	54	56	60	64	71	54	61	69	54	54	57	62	57	54	55	55	62	68	66	64	....	58.7
Altoona	Maximum	80	79	75	76	72	71	83	67	67	77	75	80	81	87	82	85	86	85	78	71	71	71	66	73	79	81	92	86	88	88	.. .	78.4
	Minimum	44	43	60	62	49	49	48	51	50	43	46	49	49	60	65	49	62	70	56	50	60	62	52	49	47	50	58	56	58	64	....	53.7
Bedford	Maximum	83	84	78	78	77	80	86	80	77	78	77	82	85	90	87	88	87	91	92	75	76	75	75	75	85	87	86	89	88	88	....	82.6
	Minimum	42	43	50	64	49	47	46	54	52	45	48	47	52	60	61	55	61	69	58	52	51	61	54	49	51	50	57	60	62	61	....	53.7
Bellefonte	Maximum	77	80	71	77	76	77	82	68	72	74	76	79	82	88	86	84	85	82	66	71	72	70	66	66	79	82	82	88	89	88	....	77.8
	Minimum	42	61	63	64	63	52	55	51	53	40	48	49	48	59	66	46	54	60	43	56	50	49	48	47	43	48	58	50	58	59	....	52.8
Brookville	Maximum	75	80	85	80	76	72	68	80	62	72	77	75	79	83	88	82	87	86	85	75	71	70	71	70	71	81	84	83	87	88	....	78.1
	Minimum	33	37	59	61	43	45	45	43	42	33	45	41	37	52	66	38	60	67	63	53	51	57	45	43	42	43	53	46	50	54	....	48.2
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	85	85	81	82	85	80	86	81	80	80	81	86	90	94	90	90	98	92	69	82	79	80	73	81	88	92	94	96	95	92	....	85.4
	Minimum	53	47	61	63	56	56	48	57	55	50	50	58	57	63	70	56	66	69	55	54	56	63	53	53	60	64	52	63	64	62	....	57.8
Catawissa	Maximum	87	83	79	82	84	82	85	78	75	81	84	82	87	91	90	87	92	82	74	78	76	78	70	77	84	86	89	91	91	88	....	83.1
	Minimum	47	44	64	59	56	50	49	54	51	54	50	55	54	62	57	50	69	61	55	53	56	54	56	53	50	57	67	64	60	61	....	55.7
Chambersburg	Maximum	82	81	78	81	83	78	85	77	69	78	80	84	89	92	89	88	92	93	80	79	82	80	72	79	83	90	91	92	91	90	. .	83.6
	Minimum	46	49	62	68	52	52	49	56	55	46	50	56	60	65	68	59	69	72	55	53	55	62	55	52	49	53	62	61	66	62	....	57.3
Chambersville	Maximum	79	86	83	79	77	71	83	59	74	79	76	81	85	89	85	88	88	89	81	73	78	75	71	75	81	85	86	89	89	88	....	80.7
	Minimum	38	46	61	61	45	44	49	47	50	38	47	45	42	57	63	45	63	68	64	52	56	57	51	44	45	49	60	56	56	59	....	51.9
Claysville	Maximum	80	88	84	79	75	74	81	60	75	78	79	81	86	87	85	85	83	88	85	76	74	71	71	78	84	88	88	91	91	89	....	81.1
	Minimum	42	53	62	62	49	43	55	50	52	42	53	49	46	60	66	62	68	69	66	54	59	57	52	50	46	53	67	59	50	61	....	55.5
Clearfield	Maximum	82	85	86	87	81	75	83	66	73	80	77	81	84	87	88	91	88	92	78	72	74	72	69	72	80	85	83	88	89	87	....	81.2
	Minimum	46	39	40	61	43	46	46	47	47	37	43	42	46	41	69	43	62	68	58	58	54	52	53	46	45	46	54	52	55	58	....	49.9
Coatesville	Maximum	79	82	81	77	85	80	82	72	67	73	82	84	87	89	91	85	92	84	61	80	82	83	78	80	83	87	92	91	91	89	....	82.3
	Minimum	53	48	48	63	60	56	54	57	56	55	56	57	58	64	68	57	62	58	55	56	57	52	55	55	55	56	64	67	66	64	....	57.7
Corry	Maximum	82	87	82	76	68	72	66	60	65	75	78	71	78	79	78	88	86	80	78	73	65	64	68	75	81	85	83	84	86	82	....	76.5
	Minimum	38	45	63	59	49	45	45	45	42	38	47	44	40	53	63	42	67	56	64	55	57	57	48	52	43	50	48	51	57	55	....	50.6
Emporium	Maximum	77	82	81	78	74	70	80	64	70	74	78	79	82	87	83	87	86	81	70	66	68	71	68	72	78	82	82	85	86	84	....	77.5
	Minimum	43	39	64	65	47	52	48	48	47	40	46	48	43	55	65	46	65	60	60	55	53	60	53	50	50	50	56	52	58	60	....	52.6
Erie	Maximum	72	87	80	72	67	64	65	63	67	72	72	70	77	89	70	82	85	70	75	63	66	67	64	70	74	86	77	83	79	80	....	73.6
	Minimum	52	58	66	57	54	52	50	48	50	52	57	53	55	63	62	56	59	56	58	56	58	58	56	56	55	63	66	63	66	65	....	57.3
Franklin	Maximum	83	88	84	80	78	72	78	69	76	82	79	84	86	92	84	88	88	87	80	68	73	76	73	78	85	84	87	91	94	90	....	81.9
	Minimum	43	43	64	61	45	44	52	44	42	41	48	47	44	50	67	45	69	65	66	53	54	56	54	47	46	50	65	52	58	59	....	52.5
Freeland	Maximum	73	80	71	70	77	72	74	69	60	65	73	77	80	83	82	80	87	73	54	71	75	70	69	70	75	80	85	81	84	81	....	74.7
	Minimum	45	50	54	53	53	52	54	49	50	46	57	54	60	61	65	50	64	53	47	51	57	59	52	50	50	58	61	63	64	61	....	54.8
Gettysburg	Maximum	82	82	77	80	82	78	83	78	63	76	79	83	87	89	89	86	92	92	65	76	79	81	78	77	83	86	92	93	91	91	....	82.3
	Minimum	52	49	58	66	56	54	51	57	56	55	51	56	58	65	68	61	68	64	56	54	57	64	57	56	52	54	63	67	66	64	....	58.5
Greensburg	Maximum	75	86	78	75	74	70	81	58	68	75	71	79	82	87	84	84	80	83	83	77	76	70	65	68	76	77	75	87	84	87	....	77.2
	Minimum	45	55	64	62	54	46	54	50	53	45	39	52	50	64	65	56	65	68	65	50	59	57	53	52	48	53	65	59	60	63	....	55.7
Grove City	Maximum	82	85	84	79	72	67	73	61	73	77	75	79	81	85	81	81	81	81	77	69	70	68	67	74	81	83	82	85	90	87	....	77.7
	Minimum	45	53	62	60	40	45	52	41	45	47	54	50	47	61	65	51	66	63	62	53	58	56	53	48	50	57	67	57	58	61	....	54.2
Hamburg	Maximum	87	89	83	74	82	87	82	79	66	75	79	83	86	89	91	90	92	86	68	76	78	80	77	79	84	86	93	90	94	90	....	83.2
	Minimum	50	48	45	58	55	56	54	51	56	56	50	57	56	58	67	53	61	60	52	53	56	63	56	52	55	49	56	62	60	59	....	55.5
Harrisburg	Maximum	79	80	72	79	79	77	81	65	66	73	79	81	86	88	86	84	90	87	61	77	77	78	71	76	81	84	89	91	87	89	....	79.8
	Minimum	59	54	63	64	60	57	56	57	56	58	54	60	60	70	69	61	70	57	54	56	61	62	58	57	57	57	67	67	66	64	....	60.4
Hawley	Maximum	77	82	75	68	80	75	79	71	65	68	77	79	84	88	85	83	88	78	55	75	77	77	74	76	81	84	88	88	86	86	...	78.3
	Minimum	42	40	47	58	51	53	46	52	53	42	50	47	49	51	69	44	53	55	48	52	49	59	52	46	51	45	53	57	52	56	....	50.7
Huntingdon	Maximum	82	82	76	80	80	75	87	71	72	80	81	83	86	92	85	87	89	87	74	76	77	75	71	76	81	86	....	88	89	90	....	81.3^{a}
	Minimum	41	41	61	61	46	45	44	55	53	43	35	42	43	59	56	49	67	72	57	51	55	58	51	48	50	50	....	48	58	61	....	57.7^{a}
Johnstown	Maximum	83	87	83	78	76	73	85	67	75	80	77	82	86	90	84	90	86	89	82	74	79	75	69	75	82	88	84	90	90	89	....	81.6
	Minimum	44	45	62	62	51	47	48	54	54	44	49	55	53	63	67	55	64	71	63	52	58	60	54	50	50	49	57	59	59	62	....	55.4
Lancaster	Maximum	83	85	77	77	84	87	80	80	64	74	82	84	87	89	90	87	94	85	67	80	85	83	79	80	86	87	93	94	95	89	....	83.6
	Minimum	49	45	52	65	52	55	53	57	56	53	50	52	55	60	69	59	64	63	54	54	56	64	53	52	52	50	61	63	63	61	....	56.4
Lawrenceville	Maximum	82	86	84	79	81	78	84	77	72	73	82	84	87	91	91	92	93	81	70	69	69	76	71	72	82	86	87	92	91	88	....	81.7
	Minimum	35	38	61	62	45	48	47	50	48	41	45	45	45	52	69	48	61	65	55	53	51	58	52	52	48	48	59	51	58	61	....	51.7
Lebanon	Maximum	80	81	75	78	82	79	81	60	65	74	80	83	87	90	89	86	93	83	70	77	80	79	75	79	83	88	94	92	90	92	....	81.5
	Minimum	55	49	60	63	54	58	55	57	56	55	51	55	57	65	68	57	67	70	55	55	59	64	54	52	52	53	64	63	66	62	....	58.4
Marcus Hook	Maximum	80	79	73	85	83	80	79	68	70	82	84	89	93	92	92	95	92	75	82	84	86	87	81	84	87	92	93	92	90	87	....	84.7
	Minimum	55	61	65	64	60	60	60	59	57	60	64	66	....	72	66	66	65	57	60	64	68	62	61	60	65	69	71	70	69	71	....	63.7^{a}
Meadville	Maximum	82	87	86	81	75	68	67	69	71	77	77	78	83	89	78	87	85	82	80	78	68	69	69	74	82	86	85	86	87	87	....	79.1
	Minimum	59	64	66	64	51	51	56	45	49	55	55	56	60	69	64	64	71	61	69	56	57	59	57	52	59	63	68	63	64	64	....	59.7
Mifflin	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mount Pocono	Maximum	78	77	70	64	77	70	64	60	62	72	74	78	82	84	84	76	84	65	56	64	68	70	72	70	72	76	84	85	82	82	....	73.4
	Minimum	45	46	50	54	50	50	48	50	50	48	50	50	52	50	54	46	55	56	46	50	51	56	50	46	50	56	56	59	56	59	....	51.3
Muncy Valley	Maximum	76	79	75	73	77	74	80	75	67	72	76	79	84	84	87	85	85	72	64	67	71	72	70	72	79	81	83	85	86	86	....	77.2
	Minimum	39	38	52	62	45	46	43	51	40	42	44	48	46	52	60	45	60	63	52	53	50	59	54	45	44	45	56	53	55	57	....	50.0
Philadelphia	Maximum	81	79	77	74	81	74	79	67	67	68	79	83	86	89	88	84	90	79	62	78	82	82	78	78	84	84	90	87	90	87	....	80.2
	Minimum	58	57	61	65	59	59	58	59	59	58	58	66	68	71	71	64	65	56	55	59	64	60	61	63	62	68	69	72	70	69	....	62.8
Pittsburgh	Maximum	81	88	83	77	72	71	82	63	74	78	76	81	86	88	84	84	84	88	80	74	76	71	71	74	83	86	85	88	90	89	....	80.2
	Minimum	52	55	67	62	56	53	55	52	55	52	60	57	57	70	68	60	71	69	59	58	63	57	57	58	54	58	69	63	64	69	....	60.0
Quakertown	Maximum	78	81	77	70	82	79	78	76	66	....	....	82	83	87	87	87	91	84	59	77	80	80	77	76	81	84	90	88	87	88	....	80.5^{b}
	Minimum	47	42	51	60	58	56	50	55	55	....	....	60	57	60	69	51	58	58	52	55	52	64	52	49	55	50	59	63	59	60	....	55.6^{b}
Reading	Maximum	78	79	74	73	81	76	79	66	64	73	78	81	83	88	86	84	90	81	58	75	78	78	72	75	79	85	91	90	88	90	....	79.1
	Minimum	55	53	62	63	60	59	60	57	57	55	57	63	61	70	70	60	68	55	54	56	65	62	59	58	56	59	69	67	68	64	....	60.7
Ridgway	Maximum	79	85	80	76	70	68	79	63	72	76	75	78	84	86	82	87	86	83	71	65	70	69	67	70	80	83	82	85	88	86	....	77.5
	Minimum	33	42	65	63	42	48	46	43	42	35	44	43	40	52	65	42	62	60	59	54	50	56	53	45	47	45	55	48	54	55	....	49.6
Scranton	Maximum	75	82	77	74	80	76	82	64	66	68	78	79	83	88	86	84	89	72	59	73	77	74	68	75	79	84	88	87	87	85	....	78.0
	Minimum	49	49	61	63	58	57	52	55	55	51	58	59	55	59	60	52	68	56	53	56	58	62	58	56	57	53	67	62	62	62	....	57.3
Selinsgrove	Maximum	83	81	80	78	79	75	83	74	68	73	78	80	85	88	92	86	90	82	67	73	73	77	70	75	81	84	87	87	88	88	....	80.2
	Minimum	46	43	63	65	50	49	49	55	52	47	48	54	54	59	66	51	70	66	53	58	57	62	54	50	49	51	62	59	62	64	....	55.6
Somerset	Maximum	77	78	78	71	72	69	80	70	67	70	70	78	78	84	79	82	79	83	82	69	74	70	63	68	78	82	80	83	84	86	....	76.1
	Minimum	33	37	60	60	45	37	41	49	51	35	40	47	45	54	62	53	61	66	60	50	53	57	51	42	43	42	50	51	53	52	....	49.3
State College	Maximum	81	81	76	78	78	76	84	66	69	75	78	80	82	89	84	86	87	85	67	71	72	73	68	75	79	82	83	86	88	85	....	78.8
	Minimum	45	46	60	63	48	49	51	52	49	45	49	53	54	61	66	49	65	64	55	51	54	54	53	51	48	51	64	54	59	62	....	54.2
Stroudsburg	Maximum	79	80	74	69	81	74	76	60	67	69	79	87	86	88	89	88	91	76	65	76	78	82	78	76	82	89	87	89	87	88	....	79.7
	Minimum	52	44	51	52	55	57	51	53	56	48	50	51	53	55	59	48	57	65	52	53	55	57	56	52	54	50	52	57	56	54	....	53.5
Towanda	Maximum	76	83	79	77	76	75	84	61	69	68	78	78	83	88	85	86	89	72	61	71	73	74	69	74	80	83	83	87	86	85	....	77.8
	Minimum	42	40	60	64	48	50	45	53	51	45	48	51	50	54	58	48	48	57	54	55	52	57	52	54	50	47	61	55	55	61	....	52.2
Uniontown	Maximum	79	88	81	76	72	71	83	62	74	74	73	80	83	86	83	80	82	86	84	76	75	73	69	72	78	85	83	87	87	88	. ..	79.0
	Minimum	43	60	63	64	53	49	52	54	55	44	52	58	57	60	67	66	67	70	66	57	62	61	55	54	49	52	65	60	63	62	....	58.0
Vandergrift	Maximum	81	87	84	79	75	70	82	60	76	80	78	80	88	92	84	88	87	88	82	76	79	....	....	76	81	86	88	85	....	90	....	81.6$_{c}$
	Minimum	43	52	65	60	49	45	55	52	52	42	50	50	49	60	68	52	67	68	59	55	60	....	....	51	47	49	62	58	.. .	57	....	54.7^{c}
Warren	Maximum	72	79	83	76	72	68	70	72	70	68	72	73	76	80	84	85	82	80	74	72	64	68	65	63	70	78	80	80	85	86	....	74.9
	Minimum	44	63	65	62	48	51	56	47	44	40	52	49	46	56	68	67	68	58	63	53	54	58	54	53	48	56	60	56	62	64	....	55.5
Waynesburg	Maximum	81	86	83	76	73	72	81	59	73	76	74	79	84	85	83	80	81	87	87	75	75	72	68	75	80	85	83	87	86	80	....	78.9
	Minimum	43	49	63	63	54	46	53	51	54	44	54	55	50	59	66	65	68	70	67	59	61	59	54	52	48	52	65	58	62	62	....	56.9
Wellsboro	Maximum	78	83	77	77	78	75	80	60	71	72	78	79	84	91	85	90	89	73	65	65	70	73	67	77	80	83	83	88	90	85	....	78.2
	Minimum	35	35	57	62	40	46	43	46	46	36	39	42	41	48	66	44	57	55	52	54	47	56	48	54	44	44	57	47	48	58	....	48.2
Williamsport	Maximum	68	80	80	76	80	77	83	78	69	71	77	76	76	86	89	80	85	75	66	70	74	73	71	68	79	83	84	91	90	83	....	77.9
	Minimum	47	48	61	65	51	53	48	56	52	48	49	53	53	62	70	51	67	65	55	55	55	62	55	51	53	50	64	56	60	64	....	56.0
Williamstown	Maximum	78	80	80	75	80	80	80	78	67	73	75	80	84	88	86	84	89	79	62	71	77	76	73	75	80	84	87	89	89	87	....	79.5
	Minimum	50	52	57	59	53	51	54	52	50	50	52	57	58	65	66	54	65	59	49	52	59	58	54	52	51	58	63	62	62	64	....	56.3
York	Maximum	80	82	76	79	84	79	83	78	62	73	81	83	87	91	90	89	93	92	68	79	79	82	78	78	83	86	95	94	91	91	....	82.9
	Minimum	45	47	62	66	50	46	51	57	58	51	48	53	56	59	69	55	68	67	57	54	58	64	53	51	49	51	64	62	63	62	....	56.5

.S. SAVINGS
BONDS
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XL. JULY, 1935. No. 7.

GENERAL SUMMARY.

July was abnormally warm and humid in all parts of the State after the first week, and the conditions were oppressive a large part of the time. There was an unusual amount of early morning fog that left a large moisture content in the atmosphere to augment the midday heat. It was a month of excessive local rains that brought two or three times the normal rainfall to some regions, while leaving a few places with actual deficiencies. However, the average rainfall for the State was thirty per cent above the normal, so the dry regions constituted a small part of the whole. The driest section was Allegheny County with portions of its bordering counties. Torrential rains occurred in the eastern portion of the State on the 9th, and flooded the Lehigh and Schuylkill rivers with considerable damage. These streams rose far above the flood stages during the night of the 9th and 10th. The valley of Perkiomen Creek, a tributary of the Schuylkill, is a popular summer camping region, and many small frame shacks line the banks of the stream. The creek rose as much as twenty feet in some places, and a large number of these shacks disappeared completely. Rains were especially heavy over the headwaters of the Schuylkill, with 9.00 inches at Pottsville on the 9th, and these waters followed the Perkiomen flood out closely, causing an almost unprecedented condition in the lower valley. The upper reaches of the North Branch of the Susquehanna watershed were flooded, and hundreds of families were forced to abandon their homes temporarily. These flood waters smoothed out rapidly below Wilkes-Barre. The newspaper attributed twelve deaths to the floods in the eastern portion of the State. Considering the State as a whole, it may be said that July was a good crop growing month, and most crops made good progress. The winter grains ripened rapidly near the end of June, and harvest was beginning in a few places on July 1st. It was practically finished by the 10th, and threshing began during the third week and continued intermittently for the remainder of the month, being more or less handicapped in the western part of the State by heavy local rains that drenched the shocks in the fields. Good yields were generally reported with some unusually heavy ones, but much of the grain was discolored and damaged. Oats harvest began during the third week, and was practically finished by the end of the month. Corn generally made a fine development, and was very promising.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 88 stations, was 75.0°, which is 3.0° above the normal. The highest monthly mean was 80.8°, at Marcus Hook, and the lowest was 66.2° at Gouldsboro. The highest temperature recorded was 104° at Wellsboro on the 5th. The lowest temperature recorded was 42° at Somerset on the 30th. The greatest daily range in temperature was 43° at Wellsboro on the 5th, and at Greenville, Meadville, and Sharon on the 17th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations taken at 140 well-distributed stations, was 5.63 inches, which is 1.34 inches more than the normal. The greatest monthly amount was 13.50 inches at Pottsville, and the least amount was 1.47 inches at McKeesport. The greatest amount in any 24 consecutive hours was 9.00 inches at Pottsville on the 8-9th.

COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888........	69.2	−2.8	97	38	3.45	−0.84	7.10	1.40	......	8	15	10	6
1889........	71.6	−0.4	96	39	6.80	+2.51	15.02	1.04	......	13	12	10	9
1890........	70.7	−1.3	101	33	3.52	−0.77	6.40	0.70	......	8	13	11	7
1891........	67.8	−4.2	97	34	6.32	+2.03	11.61	2.63	......	13	11	10	10
1892........	73.1	+1.1	103	38	3.93	−0.36	8.59	2.15	......	10	15	11	5
1893........	72.1	+0.1	102	36	3.15	−1.14	6.27	1.58	......	10	15	12	4
1894........	73.8	+1.8	103	31	2.32	−1.97	5.96	0.53	......	7	15	11	5
1895........	69.1	−2.9	102	34	3.24	−1.05	6.18	1.16	......	9	12	12	7
1896........	72.8	+0.8	98	40	6.89	+2.60	15.59	3.04	......	14	10	11	10
1897........	73.4	+1.4	103	41	6.26	+1.97	14.51	2.10	......	14	10	11	10
1898........	74.8	+2.8	107	33	3.36	−0.93	6.29	1.15	......	9	12	12	7
1899........	72.3	+0.3	101	35	3.91	−0.38	8.24	1.53	......	10	12	11	8
1900........	74.0	+2.0	104	35	4.86	+0.57	8.26	1.81	......	11	14	12	5
1901........	76.4	+4.4	107	45	3.88	−0.41	7.34	1.52	......	11	10	13	8
1902........	71.8	−0.2	99	41	6.04	+1.75	12.35	2.11	......	15	10	12	9
1903........	71.2	−0.8	98	35	5.36	+1.07	8.81	1.76	......	12	13	12	6
1904........	70.6	−1.4	99	34	4.68	+0.39	9.19	1.92	......	13	12	11	8
1905........	72.6	+0.6	99	39	4.87	+0.58	9.78	2.49	......	15	10	12	9
1906........	71.3	−0.7	95	38	4.31	+0.02	8.98	1.41	......	10	12	13	6
1907........	71.5	−0.5	96	34	3.84	−0.45	9.46	1.01	......	10	15	12	4
1908........	73.9	+1.9	104	39	4.81	+0.52	9.57	2.15	......	11	14	12	5
1909........	69.7	−2.3	98	34	2.14	−2.15	4.50	0.75	......	7	16	11	4
1910........	72.8	+0.8	99	41	2.42	−1.87	5.15	0.45	......	7	16	11	4
1911........	73.7	+1.7	105	36	2.81	−1.48	7.41	0.90	......	8	16	11	4
1912........	71.3	−0.7	100	36	5.29	+1.00	12.65	1.04	......	11	12	11	8
1913........	71.8	−0.2	101	40	4.16	−0.13	8.00	0.82	......	11	15	10	6
1914........	71.3	−0.7	101	38	4.19	−0.10	10.29	1.10	......	12	12	11	8
1915........	70.7	−1.3	98	40	5.28	+0.99	12.30	1.82	......	15	10	13	8
1916........	74.3	+2.3	98	37	4.45	+0.16	12.41	0.39	......	10	14	10	7
1917........	72.1	+0.1	105	40	4.33	+0.04	9.76	1.90	......	13	12	12	7
1918........	70.1	−1.9	99	35	3.05	−1.24	9.96	0.77	......	9	16	10	5
1919........	72.6	+0.6	104	34	5.90	+1.61	14.58	1.70	......	11	16	8	7
1920........	69.5	−2.5	96	33	4.37	+0.08	10.70	1.27	......	11	15	10	6
1921........	75.9	+3.9	104	45	4.13	−0.16	9.19	1.23	......	10	15	11	5
1922........	71.9	−0.1	98	38	3.68	−0.61	7.58	1.45	......	9	14	10	7
1923........	71.0	−1.0	100	32	4.24	−0.05	9.86	0.92	......	11	15	9	7
1924........	69.7	−2.3	97	34	3.42	− 0.87	7.12	0.71	......	9	17	10	4
1925........	70.5	−1.5	101	32	5.57	+1.28	14.95	1.54	......	12	13	11	7
1926........	71.8	−0.2	105	35	3.82	−0.47	10.63	1.14	......	10	15	9	7
1927........	71.7	−0.3	100	29	4.97	+0.68	11.82	1.81	......	12	14	11	6
1928........	72.8	+0.8	96	40	5.44	+1.15	11.81	2.37	......	13	16	9	6
1929........	71.8	−0.2	99	33	2.81	−1.48	6.97	0.19	......	8	18	9	4
1930........	73.0	+1.0	106	33	2.23	−2.06	6.46	0.17	......	7	19	8	4
1931........	75.2	+3.2	105	39	5.28	+0.99	13.28	1.81	......	12	15	10	6
1932........	72.0	0.0	100	36	3.39	−0.90	9.65	0.85	......	10	16	10	5
1933........	72.5	+0.5	104	35	4.26	−0.03	9.13	1.12	......	8	17	9	5
1934........	75.5	+3.5	107	40	4.01	−0.28	7.83	1.16	.....	9	17	10	4
1935........	75.0	+3.0	104	42	5.63	+1.34	13.50	1.47	......	12	15	10	6
Period.....	72.0	....	107	29	4.29	....	15.59	0.17	......	11	14	11	6

W. B. O. Philadelphia-8-27-35-1050.

Climatological Data for July, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	75.8	+2.1	95	12	57	3†	29	7.91	+3.13	3.20	0	12	19	1	11	sw.	John A. Frick.
Altoona	Blair	1,615	48	72.8	+2.0	94	20	51	17†	33	4.24	+0.70	1.23	0	16	11	17	3	w.	John J. Martin.
Ardmore	Montgomery	350	3	76.7	+2.8	95	20	55	3	27	4.71	+0.42	3.05	0	10	7	10	14	......	H. L. Balderston.
Arendtsville	Adams	700	13	75.8	+1.8	96	20	54	3	35	7.47	+3.61	2.44	0	12	21	7	3	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	75.4	......	94	19	50	30	34	4.70	......	1.48	0	9	17	4	10	nw.	Charles C. Lee.
Bellefonte	Center	1,050	27	73.8	+0.6	96	20	49	17†	34	4.03	+0.27	2.38	0	15	4	16	11	s.	U. S. Airway Radio Sta.
Bethlehem	Northampton	364	50	76.8	+2.2	94	11†	56	3	27	11.97	+7.37	5.10	0	12	19	6	6	sw.	Lehigh University.
Carlisle	Cumberland	467	69	79.2	+4.4	103	20	56	30	35	6.58	+2.74	3.40	0	14	19	7	5	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. L. Gearhart.
Center Hall	Center	1,272	39	70.6	−0.6	92	6	50	3†	36	5.92	+1.99	3.10	0	13	19	8	4	......	S. W. Smith.
Chambersburg	Franklin	580	36	78.1	+3.8	99	20	54	30	33	3.65	+0.09	1.15	0	9	14	11	6	sw.	William B. Spear.
Clearfield	Clearfield	1,120	28	72.6	+1.2	94	19†	44	30	42	8.15	+3.97	1.76	0	14	14	10	7	nw.	E. W. Hess.
Coatesville	Chester	380	48	77.3	+2.7	96	20	54	3	34	6.70	+1.88	2.00	0	12	7	15	9	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	73.5	+1.1	92	19	54	3†	29	4.43	−0.02	1.47	0	14	22	4	5	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	72.8	+3.2	92	19	50	2	33	8.52	+4.19	1.72	0	15	12	13	6	sw.	T. B. Lloyd.
Ephrata	Lancaster	380	43	78.7	+4.6	99	20	56	3	34	5.52	+1.19	2.92	0	10	14	11	6	s.	Ira J. Keath.
Freeland	Luzerne	1,970	42	71.2	+2.6	88	12	55	27†	23	8.32	+3.56	3.15	0	13	3	21	7	nw.	Theo. Reichmann.
George School	Bucks	190	29	76.4	+2.7	94	12	53	3	32	4.39	+0.05	1.46	0	16	24	5	2	s.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	78.0	+3.8	98	20	58	3†	32	3.63	−0.15	0.93	0	12	18	6	7	s.	Dr Henry Stewart
Gordon	Schuylkill	840	31	73.5	+3.4	92	12†	49	27	36	10.40	+6.40	3.68	0	12	18	8	5	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	66.2	+1.1	83	6†	49	3†	28	9.26	+4.24	3.40	0	11	19	8	4	w.	Ronald H. Marshall.
Hamburg	Berks	535	42	76.4	+3.1	98	8†	53	5†	41	7.21	+2.29	2.50	0	9	20	8	3	w.	State Sanatorium.
Hanover	York	600	31	78.0	+2.6	97	20	58	30	30	2.96	−1.29	1.00	0	11	18	9	4	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	77.4	+2.6	95	20	61	17	27	3.46	−0.37	1.70	0	12	8	16	7	s.	U. S. Weather Bureau.
Hawley	Wayne	900	17	71.5	+1.1	93	6†	47	1	38	6.85	+2.79	2.40	0	12	20	9	2	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	80.2	+4.4	94	24	66	30	20	4.69	+0.56	2.30	0	10	19	6	6	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	75.2	+3.0	95	19†	50	30	38	5.42	+1.45	1.65	0	13	14	8	9	sw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	75.8	+3.3	96	12†	49	30	40	4.07	+1.07	1.10	0	16	16	6	9	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	U. S. Weather Bureau.
Lancaster	Lancaster	255	48	77.0	+3.3	97	20	54	3	32	6.35	+2.47	1.90	0	11	21	7	3	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	74.2	+4.1	97	19	49	1†	41	5.83	+1.81	1.08	0	15	13	15	3	......	C. P. Darling.
Lebanon	Lebanon	469	51	77.2	+3.4	97	12	56	30	31	4.63	+0.24	1.78	0	11	17	13	1	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	76.8	+3.5	97	12†	54	27†	34	2.99	−1.06	0.99	0	14	11	19	1	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	80.8	......	97	11†	60	2	24	3.38	......	2.34	0	11	25	3	3	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	72.8	+0.6	94	12	51	3†	38	9.19	+4.30	4.47	0	12	21	6	4	sw.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	29	67.8	+2.1	91	19	48	3	41	6.38	+1.21	2.30	0	13	13	13	5	sw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	23	71.9	+2.3	92	19	48	30	34	6.00	+1.25	1.41	0	14	24	5	2	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	76.2	+2.9	94	12	51	3	30	3.24	−1.41	1.15	0	13	15	4	12	e.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	75.0	......	92	12†	56	3	29	8.09	+3.78	3.57	0	13	17	11	3	s.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	78.2	+2.0	95	20	63	4	24	5.07	+0.92	2.77	0	12	7	10	14	sw.	U. S. Weather Bureau.
Phila. Navy Yard	Philadelphia	12	19	78.9	+3.2	97	12	58	3	26	3.86	−1.06	2.22	0	11	4	14	13	sw.	Commandant, Navy Yard.
Phila-Point Breeze	Philadelphia	90	9	78.6	......	95	12†	61	4	26	4.44	......	1.85	0	10	7	12	12	sw.	Atlantic Refining Co.
Phœnixville	Chester	100	25	79.0	+4.2	98	12†	53	3	33	8.84	+3.94	5.82	0	11	16	15	0	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	50	75.0	+2.5	93	12	50	3	31	6.92	+1.96	3.20	0	13	16	9	6	sw.	John E. Benner.
Reading	Berks	514	65	76.7	+1.2	95	12	60	3	26	6.70	+2.44	3.33	0	16	6	16	9	s.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	73.2	......	92	6	52	27†	31	7.37	......	5.50	0	10	18	12	1	s.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	74.8	+3.1	94	6	56	30	28	7.91	+3.88	3.80	0	9	8	19	4	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	75.9	+2.7	94	20	53	30	33	4.03	−0.09	2.30	0	11	18	11	2	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	78.6	+2.7	94	19†	57	3	26	7.82	+3.46	3.41	0	14	14	10	7	s.	W. S. Guiles.
Shippensburg	Cumberland	660	2	76.4	......	97	20	56	30	31	8.13	......	4.37	0	12	14	7	10	sw.	State Teachers College
State College	Center	1,217	51	73.5	+3.0	93	6†	52	17	33	5.83	+2.00	1.18	0	15	15	12	4	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	74.0	+2.8	93	12	50	3	34	9.44	+4.27	4.70	0	9	20	6	5	w.	State Normal School.
Towanda	Bradford	754	41	73.4	+3.1	94	19	50	2†	36	3.24	−0.52	1.18	0	16	12	14	5	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	72.0	+3.3	104	5	44	30	43	2.31	−1.44	0.90	0	8	23	5	3	w.	George W. Hill.
West Chester	Chester	455	86	75.8	+1.5	91	12†	57	3	22	8.90	+4.20	3.43	0	10	18	11	2	sw.	Joseph W. Belt.
Williamsport	Lycoming	521	49	75.7	+2.5	96	6	54	27	33	3.89	0.00	1.50	0	12	18	9	4	nw.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	74.2^{c}	+2.4	94^{f}	20	49	30	33^{f}	5.42	+0.14	2.06	0	9	19	11	1	sw.	Susquehanna Collieries Co.
York	York	400	47	77.4	+3.2	98	12†	53	30	35	2.79	−1.45	0.58	0	12	19	12	0	s.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	76.4	+2.8	94	31	54	17†	36	2.21	−1.56	0.49	0	14	5	13	13	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	71.6	+3.9	95	20	43	18	39	9.60	+5.30	1.95	0	12	13	9	9	......	Frank S. Fawcett.
Butler	Butler	1,077	22	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	William C. Faust.
Chambersville	Indiana	1,047	5	74.3	+2.9	99	18	47	30	40	6.17	+1.45	1.81	0	17	8	8	15	w.	John E. Lewis.
Clairton	Allegheny	1,020	3	74.3	......	96	20	52	16†	35	2.42	......	1.10	0	11	8	11	12	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	76.3	+3.4	96	20	48	30	42	3.59	−0.59	1.08	0	10	24	1	6	n.	J. L. Melvin.
Corry	Erie	1,430	22	73.8	+6.1	95	19†	46	17	42	4.94	+1.31	2.93	0	7	14	14	3	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	75.0	+2.4	91	12†	51	30	36	6.75	+2.19	3.17	0	14	12	16	3	w.	Ted R. Wineman.
Donora	Washington	762	8	77.6	......	97	11	55	30	35	1.90	......	0.59	0	10	10	14	7	sw.	Donora Zinc Works.
Ebensburg	Cambria	2,000	18	72.3^{b}	+5.2	88^{c}	6†	53	17	31^{c}	5.40	+1.26	1.13	0	15	17	12	2	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	69.2	+2.0	88	19†	45	30	37	3.85	−0.27	1.20	0	9	14	12	5	w.	J. S. Stevanus.
Franklin	Venango	957	61	76.2	+5.9	103	19†	49	17	42	6.55	+2.05	2.35	0	11	17	3	11	w.	Robert A. Fergus.
Greensburg	Westmoreland	1,150	26	74.4	+2.2	93	19	53	30	32	2.64	−1.06	1.01	0	16	8	20	3	sw.	Westmoreland Water Co.
Greenville	Mercer	950	39	76.1	+5.3	98	19†	49	17	43	4.03	−0.25	1.16	0	12	19	8	4	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	74.2	+4.2	95	11	53	17†	36	6.44	+2.12	2.78	0	12	7	12	12	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	11	74.0	+2.1	92	19†	50	30	37	2.46	−1.36	0.54	0	13	20	10	1	......	W. F. Gallagher.
Johnstown	Cambria	1,184	53	75.8	+2.1	96	20	52	30	36	8.18	+3.81	2.57	0	19	16	11	4	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	69.8	......	91	20	47	17†	35	10.49	......	2.89	0	12	14	8	9	se.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	73.6	+1.2	94	3†	52	9	39	4.42	−0.43	1.13	0	12	3	21	7	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	76.2	+7.2	98	6	47	17	43	4.14	−0.03	1.48	0	9	20	4	7	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	75.8	......	94	12†	54	30	33	2.23	......	0.38	0	10	8	9	14	nw.	Fred Hoffman.
New Castle	Lawrence	808	55	75.8	+3.4	96	20†	51	30	34	4.24	+0.12	0.81	0	13	15	16	0	sw.	New Castle Water Co.
Newell	Fayette	800	15	74.6	+1.3	92	20	53	30	28	2.57	−1.20	0.70	0	11	28	3	0	......	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	76.0	+1.4	94	20	59	16	28	2.38	−1.67	0.87	0	13	7	13	11	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	69.5	+1.6	93	6	46	17	39	6.14	+2.18	2.11	0	13	8	9	14	se.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	77.4	+5.6	103	20	52	17	31	4.94	+1.41	1.37	0	11	16	6	9	s	Harry H. Gerber.
Somerset	Somerset	2,190	68	69.6	+0.9	89	19	42	30	39	5.78	+1.23	1.82	0	15	6	11	14	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	76.0	+2.9	92	19†	54	30	31	5.77	+0.94	1.51	0	14	13	17	1	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	76.0	+3.0	96	12	51	17	39	3.09	−1.23	1.33	0	8	19	12	0	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	73.5	+4.1	92	19	51	30	29	7.44	+2.92	2.15	0	12	19	7	5	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	75.8	......	94	19	51	30	37	3.55	......	1.85	0	8	1	22	8	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	75.6	+4.6	92	18	59	17	24	7.54	+4.53	3.27	0	9	17	12	2	nw.	U. S. Weather Bureau.
For the State	......	......	......	75.0	+3.0	104	5	42	30	43	5.63	+1.34	9.00	0	12	15	10	6	sw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for July, 1935

Stations	Drainage Basin	Day of month																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Alleutown|||	Lehigh	.02				.01			.29	3.20	2.47			.47			.11				.46	.08			.70		.06					.09	7.91
Altooua	Juniata				.03	.05			.54	.07	.12			.03		T.	.27			.09		.30	.08	.22	.10	1.23	.80		.19			.12	4.24
Ansonia|||	W. Br. Susq							.08	.07	3.54	.04	.17		.30			.15					.06	.02	.03	.03	.22	.02			T.		.42	5.15
Ardmore	Lower Del							T.	1.35	1.70	.10			.06		.36		T.	T.	.05	T.	T.	.11	T.	.25	.71						.02	4.71
Arendtsville	Lower Susq					.03			.11	2.44	.03			.18			1.13					.22	1.43	.03		1.20	.25					.42	7.47
Baker's Summit	Juniata					.01		.04	1 37	.45	T.			.18		.07	1.05					.10	2.32			.26	.27			.03		.02	6.17
Bedford	Juniata					T.		T.	.20	1 48	.15			.41		T.					T.	.50	.50			1.31	.10		T.			.05	4.70
Bellefoute	W. Br. Susq				.01			.02	2.38	.04	.14		.16			.55	.01					.02	.28	.09	.04	.20			.05			.04	4.03
Bethlehem	Lehigh	T.			T.			.36	1.29	5.10	2.57			.55			.19				.60		T.	.15	.84	.18	.01					.13	11.97
Bloserville‡‡	Lower Susq				.03				3.35		1.10			.10		1.10					.10	.15	1.05	.15		1.10						.05	8.28
Buffalo Mills	Juniata						.08		.05	.21	.69			.16			.26						1.06	.20		.21	.08	.33				.05	3.38
Carlisle	Lower Susq				T.			T.	2.98	.42	.15			.05			.91	T.	.02		T.	.01	.12	.35	.01	1.06	.24		.21			.05	6.58
Catawissa‡	N. Br. Susq																																
Center Hall	Susquehanna						.77		3.10	.20	.21			.22		.14	.66					.10	.22	.08		.02	.08		.12				5.92
Chambersburg	Potomac						T		.95	.10							.71				T.	T.	.46	.07		1.14	.01			.11		.10	3.65
Clearfield	W. Br. Susq				.06	.32	.76	1.76	.82	T.	T.					.21						.51	.87	.10	1.10	.98	.03		.28			.35	8.15
Coatesville	Lower Del						.02	.65	1.61	2.00	.26			.05			.04				.31		.14	.09	.13	1.40							6.70
Colebrook	Lower Susq				T.	T.		.02	.63	.75	.13			.07			1.47				.28	.02	.28	T.	.26	.38	.02			.05		.07	4.43
Conshohocken	Schuylkill								.53	2.51		.38				.27						.51	.10	.11	.07	.66						.03	5.17
Doylestown	Lower Del					T.		T	1.15	1.93	.12			.17			.05				.28	.94	.28	.38		.31	T.			.02		.04	5.67
Emporium	W. Br. Susq				.05		.15	1.51	1.42	.61	.11		.55			T.					.32	.07	.55	.18	1.72	.45			.60			.23	8.52
Ephrata	Lower Susq	.01							1.06	2.92	T.			.05			.42				.12	.01		.02		.85						.06	5.52
Forest City	N. Br. Susq				.02			.03	.29	2.00	.55						.85				.60		.09	T.	.60					1.43		.22	6.68
Freeland|||	Lehigh					T.		.01	.25	3.15	1.46	T.		.47			.34				.84	.26		.04	.51	.59	.32					.08	8.32
Galeton	W. Br. Susq				.09			.12	1.50	.25	.07		.34			.55				.09	.09	.28	.02	.03	1.37	.51			.11			.32	5.74
George School	Lower Del	.01							.38	1.46	.18	T.		.07		.01	.34	.01			.31	.63	.05	.21	.05	.64	.02					.02	4.39
Gettysburg	Potomac								.39	.13	T.			.07			.89		T.			.93	.17	.02	.04	.61	.10			.09		.19	3.63
Girardville|||	Lower Susq				.05			.01	3.45	2.05			.30			.63				.58	.05			.11	.34	.10				.04		.22	7.88
Gordon	Lower Susq				T.			.01	2.20	3.68	.06			T.			2.20				.35	.07		.22	.92	.54				.05		.10	10.40
Gouldsboro‡	Lehigh						*	.64	.15	3.40	3.07					.88				.25	.07				.61	.16						.03	9.26
Graterford	Schuylkill								.58	5.67		.14		.17			.07			.13	.16				.04	.11						.02	7.09
Hamburg	Schuylkill								2.00	2.50	.01					.30				.20	1.20				.50	.40						.10	7.21
Hanover	Lower Susq	1.00							.22	.07	.03			.05		T.	.64				T.		.15	.08		.56	.03					.13	2.96
Harrisburg***	Lower Susq				T.			.02	1.45	.25				.04		.51	T.				.08	.10	.36	T.	.11	.36			.03			.15	3.46
Hawley|||	Upper Del							.54	.44	2.40	1.09	.27		.16			.40				.90				.23	.17	.21			T		.04	6.85
Hollisterville	Upper Del					T		.65	.15	3.03	2.23	.41		.39			.45				.90			.06	.83	.16				.03		T.	9.29
Holtwood‡	Lower Susq				T.				1.18	2.30	.04			.03								.03	.32	.19	.12	.28	T.					.20	4.69
Huntingdon	Juniata				.92	.01			.49	.09	.09			.06		.98					T.	.05	.14	T.	.69	1.65			.05			.20	5.42
Hyndman	Potomac	.21				.16	.22	.04	.15	.40	.02			.18		.05	.05				1.10	.90	.11			.26	.20		.02				4.07
Kylertown***	W. B. Susq																																
Lakeville|||	Upper Del							2.10	.07	1.73	1.90	.52	T.	.18			.55								1.01	.44	.30		.03	.10			8.93
Lancaster	Lower Susq								1.03	1.90				.02		.41					1.43	.05	.39	.13	.39	.49						.11	6.35
Lansford|||	Lehigh	.38				T.	T.		.24	4.38	1.73	.21		.05			.52				.19	T.	.16	T.	.75	.07	T.					.29	8.97
Lawrenceville	N. Br. Susq				.30		.56	.18	.90	.20	.10		T.	.83		.10	.15			.13			65	.10	.30	1.08			T.	T.		.25	5.83
Lebanon	Lower Susq					.24		.24	1.78	T.	T.		.06			1.38				.42		.10	T.	.03	.06	.30					.02		4.63
Lehighton|||	Lehigh					T.			.83	2.00	4.23	.11					.52				.33			T.	1.11	.06						.02	9.21
Lock Haven	W. Br. Susq				.04	.06			.29	.31	.01	.12		.18		.99	06							.12	.38	.17			.01			.25	2.99
Marcus Hook	Lower Del								2.34	*				.36			.21				.08	.09	*	.19	*	*	.11						3.38
Matamoras|||	Upper Del								.08	2.86	.28	.14		.49			.40				.29	.05			.27	.08	.77						5.71
Mauch Chunk	Lehigh				T.	.47		.48	1.91	4.47	.35			.05			.35				.37		.02	.41		.13						.18	9.19
Morris Run	N. Br. Susq						T.		1.48	.48	.05			.50		.05	.05			.30					.15	.17		.30					3.53
Mount Pocono	Upper Del				T.	.12	.19	.67	.72	2.30	.26		.30				.36			.10	.50			.60	.20						.06		6.38
Muncy Valley	W. Br. Susq					.20	T.	.38	.91	1.12		.09	T.		.29	.11					.35		.09	.33	1.41	.30				.21		.21	6.00
Neshaminy|||	Lower Del							T.	.28	1.15	.28			.07			.24	.10	T	.21	.30	.02	.11	T.	.06	.56			T.	T.		.02	3.40
New Park	Lower Susq							1.08	1.33	.24				.04		.25					.05	1.23	.03	.02		.81	.05					.35	5.48
Newport|||	Juniata								.08	4.35				.05			.94						.38	.62	.01	.10	.57			.10	.05		7.25
Palmerton‡	Lehigh				.05	.01		.57	1.48	3.57	.25		T.	.02		.54				.27			.10	1.07		.03						.13	8.09
Paupack|||	Upper Del							.06	.34	1.38	1.67	.19		.65			.58				.32				.74	.09	.39			.04	.02	.05	6.52
Philadelphia***	Lower Del							T	1.49	1.28	.41			T.		.18	.12			.02	.48		.14	.12	.23	.54						.06	5.07
Phila. Navy Yard|||	....do								T.	2.22	.05	.08			T.		.65		T.	T.	.06	.12		.01	.18	.14	.34					.01	3.86
Phila-P'nt Breeze.‡	Lower Del				T.				.50	1.85	.20			T.			.20				.50		.15	.06	.49	.48						.01	4.44
Phoenixville	Schuylkill	T.						T.	.85	5.82		.95		.04			.43				.14	.03	.07	.14	T.	.23						.14	8.84
Pine Grove	Lower Susq				T.		1.61	.05	3.50	1.25	.17		T.	.03		1.08				.01	.02		.12			.25						.12	8.21
Pleasant Mount	Upper Del				.15					2.45			.19			.62							.14	.50		.35			.05			.10	4.55
Pottstown	Schuylkill				T.	.02	.20		2.50	1.40	.31		.21	.01		.50	.02			.25	.74	T.	.01	.02	.20	.34		T.				.15	6.88
Pottsville	Schuylkill				T.				1.20	9.00	.48			.02			.55				.57	.02	.16	T.	.84	.45	.03					.18	13.50
Quakertown	Lower Del						.15		1.20	3.20	.36			.17			.17				.79	.01	.38		.13	.29				.01		.06	6.92
Reading***	Schuylkill				T.	.01	.19		2.46	1.34	.27		.23	.01		.44	.01			.26	.76	T.	.01	.02	.19	.33		T.				.17	6.70
Renovo|||	W. Br. Susq					1.26		.14		.11	.70	.04		.60			.10					.60	.05		2.63	.27	.08			.09		.19	6.86
Retreat	N. Br. Susq				T.				1.50	4.00	.02	T.		T.			.51				.17		.10	.28	.38	.28						.13	7.37
Scranton***	....do				T.		1.68		1.39	2.60			T			.52	T			.12			T.	.29	.52	.78			.01			T.	7.91
Selinsgrove	Lower Susq								1.50	.80					.07		.21				.01	.12	.03	.03	.01	.57						.68	4.03
Shawmont	Schuylkill	.66							1.01	3.41		.18		.07			.26	.08			.02	.45	.24		1.05	.27	.01	T.				.11	7.82
Shippensburg	Lower Susq					T.	.27		.92	.01	.29			.14			.38					.16	.48	.45	T.	4.37	.50					.16	8.13
Snow Hill‡‡	Upper Del							.42	*	*	5.31		.25			1.48					.13	.09			1.57	.12							9.37
State College	W. Br. Susq				.07	T.		1.18	.89	.51	.98			.07		.91	.03					.07	.12	.03	.57	.16			.15			.09	5.83
Stroudsburg|||	Upper Del								.20	1.80	4.70	.24			.15		1.20				.50				.55		.10						9.44
Sunbury|||	Lower Susq					T.				3.70	.19	.04		.11			.07					T.	T.		.28	.09	.22			T.		.19	4.89
Susquehanna|||	N. Br. Susq				.07	.01			.58	2.22	.40	.27	T.	.63		T.	.10				.57			.01	.27	.14	.02			.16	T.	.16	5.61
Towanda	....do				.03	.17	.12	.06	1.18	.53	.04		.37	.09		T.	.02			.08	.02		T	.02	.31	.08	T.			T.		.12	3.24
Weikert	Lower Susq						.46	.05	.30	.50			.33			1.07					.10	.30	.30	.10	.10	.25			.25			.42	4.53
Wellsboro	W. Br. Susq				.07				.90	.15	T.		.15	.30		.23					T.		T.	T.		.10			T.			.41	2.31
West Chester	Lower Del	.65							1.22	3.43	.18						.05				.66		.22	.19	.05	2.25							8.90
Westgrove|||	....do							.09	.54	4.55		.19					.11				.05	.58	.37	1.83		.26	.58						9.15
Wilkes-Barre|||	N. Br. Susq					.04			.42	2.37	3.10	T.		.09	T.		1.11				.08		T.	.48	.66	.20	.17			.03		.10	8.85
Williamsport|||	W. Br. Susq					.02		T.	.03	1.50	.15	.02		.64			.19					.27			.56	.21	.03					.27	3.89
Williamstown	Susquehanna							.11	.63	2.06				.07			1.32						.20	.25	.35	.43							5.42
York	Lower Susq	.58							.10	.35	.46			.03			.41					.04	.10	T.	.19	.35	.02					.16	2.79
York Haven|||	Lower Susq	.10					1.01		.28	.88	.12			.04			.92					.50	.26		.10	.23	.50					.08	5.02
Zionsville..(near)	Schuylkill							.38	1.05	6.00	.36			.27			.09				.30	.25	.15			.26						.01	9.12
Trenton, N. J***	Lower Del				T.			.02	.42	1.67	.49		T.	.05			.17	.26	T.	.32	.21	T.	.08	T.	T.	.35				T.		.03	4.07

Continued on page 34.

Daily Precipitation for July, 1935—Continued from page 33

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio				.01	.05			T.	.36				.21			.49		.09		.04		.26	.04	.14	.24	.04			.02		.22	2.21
Beaver Falls‖‖	Beaver				T.	.03	T.		.01	.57				.05			.27				.71	T.	.02	.04	.14	.50	.84			.02		.02	3.22
Bradford	Allegheny				.14	.05		.92	04		.03		.20	.16								T.	.40	1.61	1.41	.61			.43	.25		.21	6.46
Brookville	....do				T.				.56	1.95	.20			.48			.50					.20	1.34	.87	1.33	1.76	T.			.30		.11	9.60
Butler	Ohio																																
Chambersville	Allegheny				.18			.61	.30		.12		T.	.26		.09	.02			.30	.52	.02	1.01	.01	.03	1.81	.60		.17			.12	6.17
Clairton‡	Monongahela				.18		.04	T.	.22	.02	T.		T.	.01		38						T.	.08		.02	.29			1.10			.08	2.42
Claysville	Ohio				1.08									T.		.63	.13				.03	.24	.03		.24	.45	.14					.62	3.59
Confluence‖‖	Youghiogheny					.12	.32	.10		.55				.25			.10						.85	.15	.30		1.29					.10	4.13
Corry	Allegheny								.20											.05			.11	.81	2.93	.27			.57				4.94
Derry	Conemaugh				.35	.10			.62	.12	.08					.27					.52	T.	3.17	.07	.05	.95	.02		.35			.08	6.75
Donora‖‖	Monongahela				.59	T.	T.					.20		.02			.45						.10		.02	.22	.07			.10		.13	1.90
Ebensburg	Conemaugh				.03		.06	.26	.25	.57				.08		T.				.62			1.03	.41	.15	1.13	.04		.16	.55		.06	5.40
Elk Lick	Youghiogheny				.05		.54	.10	.20										1.20			.40		.10		1.10	.16						3.85
Franklin‖‖	Allegheny				.15			.45					.70				.06						.27	.49	1.21	1.97	.38			.78		.09	6.55
Greensboro	Monongahela				.14	.70	.11			.10	.04			.30			.03						.43			1.04	T.			T.		.12	3.01
Greensburg	Youghiogheny				.66	.13		T.	.06	.07			T.	.03		.03	.06			.03	.04	T.	1.01	T.	.05	.09	.01		.05	.23		.09	2.64
Greenville	Beaver					.02		.08	.65				.03	1.16		.04	.03					T.	.29	.69	.45	.44			.15			T.	4.03
Grove City	....do				T.			.10	.03				.11	.12			.19						.54	.16	.42	2.78	.01		1.82			.10	6.44
Herrs Isl. Dam‖‖	Ohio				.02	.10				.32	T.			T.			.90				.24	.09	.01	T.	.11	.05	.09		.10			.16	2.19
Irwin	Monongahela				.18	.01	.13			.11				.05		.44	.10			T.		T.	.40	T.	.07	.47	.10		.23			.17	2.46
Johnstown	Conemaugh				.02	.98	.39	1.08	.13	.02	.01			.21		.18			.04	.23		.08	2.57	.11	.15	.37	1.39		.16			.06	8.18
Kane (near) ‡‡	Allegheny				.12		.38	1.10	1.70	T.	.04			.32		T.							.23	1.93	2.89	.78			.65			.35	10.49
Kregar‖‖	Youghiogheny			.02	T.	.01	.03	T.	.16	.26			.66			.06					.04	1.20	.19	.07	.50	.86	.01		.89		.05		5.01
Lake Lynn‖‖	Monongahela					.60	.08			.02	.17			.12			.04						1.34		.16	.95	.30	.26					4.04
Linesville‖‖	Beaver																																
Lock No 2‖‖	Ohio				.08	.09											.26				1.67	T.		T.	.20	.24	.02			.01		.12	2.69
Lock No. 4‖‖	Monongahela				.44	.19				.01		.01		.23			.15						.26		T	.10	.12					.08	1.59
Lock No. 5‡‡‖‖	Allegheny				.20	.04				.14	.09			.30			.44				.06	.06	.22	.01	.06	.44	.01			.66		.09	2.82
Lycippus	Conemaugh				.15	.48	.06	.20			.35					.32					T.	T.	1.13	T.	.30	.17	.50		.65			.11	4.42
McKeesport‖‖	Monongahela	.14			.02	T.				.61	.19			T.			.15				T.					T.				.26		.10	1.47
Meadville	Allegheny				.02				.47					.58			.08						.21	.52	1.48	.45			.33				4.14
Mosgrove	....do								.61	T.	.10			.06			.12				.69	.10	.35	.03	20	1.83	T.			.10		.80	4.99
Mount Lebanon	Ohio				.38	T.							T.	T.		.30				.17	.36	.10		.21	.03	.24	T.		.18			.26	2.23
Natrona‖‖	Allegheny				.15	.04	.08			.18	.04			.01			.25				.02	.03	.05		.32	.18	.14			1.00		.95	3.44
New Castle‖‖	Beaver				T.	.02	.06		.05		T.			.32			.36				.65		T.	.43	.46	.71	.81			.16	.01	.20	4.24
Newell	Monongahela				.22	.06	.05		.70	.04		.03										.10	.08			.35	.64	T.				.30	2.57
Parkers Landing‖‖	Allegheny									.41	.07			.13									.48	T.	.31	1.94	.18			.79		T.	4.31
Pennline‖‖‡‡	Beaver								.62					1.13			.04					.80	.04	.49	.50	.21				.71			4.54
Pittsburgh***	Ohio				.10	T.	.14		.53	T.	T.		T.	.01		.21				.04	.28	T.	T.	.03	.01	.05	.01		.87			.10	2.38
Punxsutawney‖‖	Allegheny																																
Ridgway	....do			.04		.15			2.11	.22				.19			.05					T.	.22	.28	.99	1.18	.03			.55	.13		6.14
Saltsburg‖‖ :	Conemaugh				.26			.02	1.20	.41	.06			.02				.17			.04	.02	.96		.20	.28	.02			.56		.08	4.30
Sharon‖‖	Beaver					.01	.10		T.					.24			.04						.14	1.37	.32	1.14	.77			.76		.05	4.94
Smethport	Allegheny								.70	1.58	.34			1.80								.85	.50	.42	.79	1.64	T.			.46	T	.10	9.18
Somerset	Youghiogheny				.03	.11	T.	.31	.12	.49				.07		.13	.07				1.82	.05	.78			1.12	.62		.05			.01	5.78
Springdale‖‖‡‡	Allegheny				.16	.03	.14			.92	.02			.16			.28				.07	.23	.01	T.	.17	.37	.21			.05		.22	3.04
Uniontown	Monongahela				.54				1.51	.29	.02			.33		T.	.06				T.	.03	.21	.05	.34	.52	1.46		.35			.06	5.77
Unity Reservoir‡‡	Youghiogheny				.41	.22			.55		.53					.05	T.					.04	1.39	.04	.04		.05		.41	.15		.10	3.98
Vandergrift‡	Conemaugh							.83	T.							.14							.03	.01	.27	.43			1.33			.05	3.09
Warren	Allegheny				.14			.10					.40	.12								.40	1.36	2.15	1.35	.35			.80	.05		.22	7.44
Waynesburg	Monongahela				.42									.26		.47						.23			.03	1.85				.03		.26	3.55
Westford‖‖	Beaver			.06				.70					.32			.03		.02					.42		.62				.60				2.77
West Newton‖‖	Youghiogheny				.62	.29			.12	.14				.05			.23						.51			.36	.40			.11		.08	2.91
Lake Drainage.																																	
Erie***	Lake Erie			T.			.01	1.17	.15				.50			T.						.01	T.	.12	3.26	1.60			.72		T.		7.54

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cherwick, (P. O. Barking, Pa.); of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity *	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.98	30.27	17	29.72	6	9.9	32	nw.	12	73	63	68	80
Harrisburg	29.98	30.34	18	29.72	31	6.2	21	sw.	21	78	56	62	71
Philadelphia	30.01	30.41	18	29.73	9	11.1	40	n.	20	76	56.	70	68
Pittsburgh	30.00	30.31	19	29.73	7	8.2	31	w.	28	79	56	64	74
Reading	29.99	30.37	18	29.70	31	8.8	53	ne.	20	76	56	66	55
Scranton	30.00	30.36	18	29.75	12	5.6	31	se.	6	76	63	53	64

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.5	7.7	10	1.8	5	18
Phillipsburg	Delaware	4.8	20.0	10	1.4	7	22
Lehighton	Lehigh	4.1	13.0	10	2.8	5	17
Wilkes-Barre	Susquehanna	6.4	25.6	10	2.2	6	20
Williamsport	Susquehanna	2.5	5.9	10	1.2	5	20
Harrisburg	Susquehanna	5.0	11.9	11	3.5	6	17
Greensboro	Monongahela	11.1	14.5	10	10.2	20	30
West Newton	Youghiogheny	1.0	3.9	26	0.2	22	20
Lock No. 4	Monongahela	11.8	14.9	10	10.8	22	30
Pittsburgh	Ohio		13.8*	27	10.0*	22	25
Beaver Dam	Ohio		16.4	27	9.1*	22	30

* —Pool stage.

Daily Temperatures for July, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	85	81	82	81	92	91	90	77	74	85	90	95	87	88	84	84	88	89	93	92	81	87	92	87	81	80	83	82	84	86	85	85.7
	Minimum	60	62	57	60	65	68	73	73	70	64	68	69	70	64	66	64	61	67	71	67	67	70	72	74	73	67	62	68	62	57	63	65.9
Altoona	Maximum	83	78	79	82	84	89	83	79	84	81	90	90	84	85	85	82	84	86	91	94	86	85	84	84	84	80	79	80	82	81	83	83.9
	Minimum	56	57	60	69	65	64	62	69	64	65	63	63	65	56	58	58	61	62	66	68	62	66	68	71	69	66	52	54	63	51	63	61.8
Bedford	Maximum	88	83	85	86	89	91	91	87	88	86	91	93	92	88	87	84	87	90	94	93	90	87	87	91	86	86	88	84	86	84	86	87.8
	Minimum	62	62	63	61	62	67	68	71	61	63	66	62	67	55	60	61	54	63	65	62	62	67	67	75	70	68	62	56	60	50	63	63.0
Bellefonte	Maximum	84	82	82	79	87	94	90	79	85	84	89	90	83	86	84	83	83	87	90	96	88	82	84	86	86	82	82	80	80	80	86	84.9
	Minimum	54	53	61	70	70	67	67	65	61	70	68	70	64	58	56	55	49	58	69	64	57	70	62	72	75	72	71	58	62	49	61	62.7
Brookville	Maximum	86	87	82	87	83	90	94	85	87	81	85	91	91	83	86	85	83	81	91	95	93	91	81	81	81	87	86	82	84	80	83	85.9
	Minimum	48	50	54	61	60	62	62	61	60	62	54	58	76	50	52	56	52	43	52	57	59	62	64	67	64	61	49	50	60	44	62	57.2
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	91	86	88	86	98	98	95	88	91	92	97	97	96	95	92	90	92	94	99	108	96	91	92	91	90	90	90	87	91	88	91	92.4
	Minimum	63	63	58	62	68	68	72	71	69	66	69	68	69	60	63	68	57	69	69	69	67	67	68	73	78	69	61	58	64	56	70	65.9
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	89	86	85	86	95	92	93	87	90	88	95	98	92	92	91	86	90	93	97	99	94	88	92	92	88	82	86	86	88	87	89	90.2
	Minimum	66	68	60	62	67	68	70	70	69	66	67	68	66	60	64	63	58	66	69	69	67	70	70	76	71	70	61	60	65	54	65	66.0
Chambersville	Maximum	85	83	89	82	90	96	93	84	87	87	91	93	86	89	90	83	88	99	95	94	90	87	85	87	90	82	85	85	83	86	89	88.2
	Minimum	55	58	63	65	63	63	63	66	61	62	60	60	64	52	58	53	48	63	63	59	62	65	69	70	66	63	54	56	69	47	63	60.4
Claysville	Maximum	88	88	94	94	89	93	91	90	81	89	94	92	91	89	90	86	94	93	95	96	81	89	87	87	87	83	90	86	86	90	90	89.5
	Minimum	58	68	67	67	69	66	67	64	64	61	61	62	69	54	58	56	54	66	64	64	64	69	72	71	69	67	61	59	64	48	64	63.1
Clearfield	Maximum	86	88	83	83	89	93	85	82	88	84	90	93	88	87	84	83	85	90	94	94	90	87	88	82	86	85	84	81	82	83	88	86.6
	Minimum	52	58	52	60	62	67	63	64	63	61	61	64	62	53	56	60	62	68	52	52	54	68	57	66	67	58	46	52	56	44	63	58.5
Coatesville	Maximum	87	85	83	84	91	91	88	84	85	89	91	95	88	91	87	86	91	91	96	96	92	89	94	91	86	82	84	83	87	86	87	88.4
	Minimum	66	60	54	59	65	70	70	71	68	67	70	70	71	69	65	65	78	67	70	62	66	64	71	74	71	65	60	57	63	61	64	66.2
Corry	Maximum	85	85	87	87	91	94	90	78	83	89	93	90	92	90	82	80	88	94	95	95	86	84	81	87	87	85	88	84	81	83	85	87.1
	Minimum	62	57	68	53	64	67	62	62	60	63	59	60	67	56	53	51	46	63	65	61	70	66	67	67	66	62	58	52	55	49	73	60.4
Emporium	Maximum	84	82	79	84	89	90	84	80	85	82	88	89	82	84	81	79	83	89	92	90	87	83	82	85	82	81	80	77	79	81	85	83.8
	Minimum	51	50	57	63	66	68	67	66	63	68	63	65	62	58	55	59	60	62	65	65	65	67	64	72	68	62	52	58	63	52	64	61.9
Erie	Maximum	74	76	87	84	86	91	82	76	77	82	88	88	83	82	77	77	82	92	92	89	85	85	83	82	83	82	82	82	77	84	84	83.0
	Minimum	61	62	69	71	73	73	67	68	65	70	70	68	66	69	66	63	59	72	75	72	73	73	73	70	66	68	66	67	64	60	72	68.1
Franklin	Maximum	91	89	90	85	95	96	98	91	90	91	98	95	94	91	92	93	93	95	103	103	95	89	83	86	91	89	92	83	84	85	90	91.6
	Minimum	50	65	59	61	65	65	67	61	61	65	60	64	62	57	57	57	49	63	64	61	61	65	69	70	67	64	55	60	63	51	57	60.8
Freeland	Maximum	80	76	75	80	85	85	81	75	67	78	83	88	80	82	79	78	82	84	86	85	83	81	84	81	78	74	78	77	73	77	78	79.8
	Minimum	59	56	56	58	64	68	67	66	65	64	63	70	63	61	63	59	59	66	67	63	65	64	67	68	67	61	55	57	62	55	59	62.5
Gettysburg	Maximum	90	85	83	83	93	92	91	86	88	88	94	97	91	92	90	86	87	90	96	98	91	88	93	92	92	89	84	83	87	87	89	89.5
	Minimum	69	66	58	62	66	68	72	72	69	66	69	69	66	60	65	63	60	69	71	70	67	69	71	77	71	70	62	69	66	58	66	66.6
Greensburg	Maximum	86	81	87	87	82	91	86	86	80	83	91	92	85	80	85	82	87	89	93	92	82	84	84	84	84	83	85	78	83	82	85	85.1
	Minimum	60	60	65	64	68	72	70	66	64	62	61	65	61	66	62	56	55	65	67	64	64	67	71	72	69	67	59	60	65	53	65	63.7
Grove City	Maximum	85	83	88	85	92	92	80	90	85	89	95	91	84	88	79	82	89	90	91	94	87	82	80	80	84	83	88	80	80	83	87	86.0
	Minimum	57	59	63	65	67	66	68	64	60	64	61	67	62	67	62	56	53	54	68	62	66	67	69	69	67	65	60	60	63	53	65	62.6
Hamburg	Maximum	88	89	92	94	94	95	94	98	94	95	90	98	92	95	85	87	90	91	93	96	94	86	91	88	87	85	84	86	85	87	85	90.6
	Minimum	57	60	62	64	53	63	65	64	63	67	68	65	62	56	62	60	56	65	66	65	64	66	68	70	68	66	59	57	64	53	60	62.2
Harrisburg	Maximum	84	81	81	80	91	89	89	80	83	87	92	94	86	90	85	84	86	89	94	95	88	85	90	90	84	80	83	82	84	85	87	86.4
	Minimum	68	66	62	64	70	72	74	70	69	68	71	71	69	63	65	64	61	72	72	73	70	70	71	73	72	71	64	65	68	63	67	68.3
Hawley	Maximum	84	78	81	81	90	93	85	79	69	84	89	92	84	87	84	82	89	88	93	89	88	85	89	87	79	84	81	81	74	85	84	84.5
	Minimum	47	48	48	51	56	62	63	67	66	64	60	60	62	52	56	59	51	58	62	59	63	65	65	68	67	60	50	53	61	50	60	58.5
Huntingdon	Maximum	87	82	84	82	90	92	88	81	89	82	91	94	87	88	86	83	90	90	95	95	91	86	89	87	86	84	84	84	85	85	86	87.2
	Minimum	68	57	57	60	68	66	68	70	68	66	66	66	67	55	69	59	52	65	65	62	63	69	68	73	70	68	56	57	64	50	63	63.1
Johnstown	Maximum	88	85	88	84	92	92	90	88	86	84	93	92	88	89	87	87	89	92	94	96	91	87	85	87	90	83	88	82	85	86	85	88.2
	Minimum	62	59	60	64	66	66	67	66	67	65	63	62	68	56	59	68	53	62	64	63	64	67	74	74	78	67	61	57	54	52	66	63.4
Lancaster	Maximum	90	90	81	82	90	90	90	90	87	89	95	96	94	91	91	89	90	90	96	97	93	88	92	92	93	84	85	82	89	88	89	89.8
	Minimum	64	59	54	59	64	67	71	69	68	66	67	67	69	60	63	62	58	65	68	65	65	62	68	73	70	67	60	59	63	56	64	64.7
Lawrenceville	Maximum	87	90	89	88	94	96	89	80	74	89	93	92	86	87	85	83	90	94	97	94	93	90	90	91	84	83	86	80	78	87	89	88.0
	Minimum	49	49	56	63	67	66	64	61	65	65	62	64	58	66	58	59	54	60	64	64	63	65	67	69	67	69	50	55	62	50	61	60.4
Lebanon	Maximum	88	84	82	82	94	90	90	82	84	90	93	97	88	92	86	84	89	90	96	95	91	86	92	91	87	82	85	83	86	87	88	88.2
	Minimum	63	65	58	62	68	69	73	71	68	65	68	70	70	61	67	63	59	69	70	67	67	69	69	74	72	68	61	60	65	56	66	66.2
Marcus Hook	Maximum	84	84	84	94	93	92	86	88	86	95	97	93	95	92	84	90	94	94	96	95	95	95	94	90	88	83	83	90	89	86	97	90.5
	Minimum	66	60	63	70	74	73	74	72	72	74	77	73	71	70	68	70	72	74	72	72	72	80	80	75	71	65	63	70	65	73	74	71.1
Meadville	Maximum	88	88	92	90	92	98	96	92	82	88	94	91	84	85	84	87	90	95	97	97	92	86	83	86	86	87	88	89	83	85	86	89.1
	Minimum	51	58	66	68	62	65	69	64	61	67	61	67	64	58	57	60	47	67	70	63	67	70	70	70	65	66	58	65	65	52	71	63.4
Mount Pocono	Maximum	82	78	80	82	84	76	79	70	68	84	82	87	82	78	76	79	71	76	91	84	81	79	80	84	78	77	77	74	71	80	75	78.9
	Minimum	54	50	48	52	60	56	64	63	64	63	60	62	60	60	56	57	51	50	50	54	59	51	55	62	60	60	56	54	51	55	58	56.6
Muncy Valley	Maximum	83	82	79	77	88	90	84	77	75	82	76	87	91	84	85	82	85	85	92	90	87	88	88	88	83	81	83	88	77	82	85	84.0
	Minimum	54	51	54	56	62	60	67	65	65	62	68	58	61	60	52	58	52	62	61	59	67	61	66	68	69	60	50	55	63	48	60	59.8
Philadelphia	Maximum	85	80	81	79	88	89	88	81	83	83	93	93	87	90	84	82	88	88	91	95	90	88	90	88	83	81	82	80	88	87	84	86.1
	Minimum	70	66	63	63	71	74	72	71	71	73	74	77	73	72	69	67	69	71	71	71	72	73	75	74	72	70	67	65	69	66	71	70.4
Pittsburgh	Maximum	86	84	88	77	85	90	89	81	81	86	89	90	84	86	85	81	88	88	91	94	85	86	83	85	84	81	84	82	82	87	88	85.5
	Minimum	64	63	66	67	69	71	70	66	63	66	68	70	69	65	60	59	60	69	69	68	69	70	72	71	69	68	65	65	65	60	67	66.5
Quakertown	Maximum	85	84	81	83	91	92	89	86	79	85	88	93	88	88	86	88	87	89	92	91	87	85	90	87	84	78	82	81	84	84	83	86.1
	Minimum	58	58	50	55	65	67	70	69	70	67	66	66	68	59	61	65	59	66	68	65	64	68	70	73	71	64	59	55	63	58	64	63.9
Reading	Maximum	85	80	81	80	91	89	87	78	77	86	90	95	85	89	83	84	88	88	93	92	88	84	91	88	80	79	83	81	83	84	85	85.4
	Minimum	66	65	60	62	70	73	74	70	70	67	71	75	71	68	65	64	63	73	69	66	69	70	72	74	71	68	63	63	67	63	65	68.0
Ridgway	Maximum	86	84	84	80	91	93	86	74	83	83	90	88	82	85	81	81	85	88	78	78	73	64	79	81	84	81	84	77	77	78	84	82.0
	Minimum	47	50	56	64	61	62	62	62	60	64	58	60	62	50	52	56	46	60	58	58	58	55	55	57	66	59	49	55	60	48	56	57.0
Scranton	Maximum	84	81	82	80	91	94	87	78	72	85	90	93	84	85	86	80	87	89	91	91	91	86	89	88	81	82	82	82	73	83	86	84.9
	Minimum	56	60	58	62	65	67	70	68	68	70	67	67	65	59	62	64	59	67	68	65	66	71	72	72	71	64	58	60	63	56	66	64.7
Selinsgrove	Maximum	87	85	85	80	90	91	89	87	85	87	90	91	92	90	87	87	87	90	92	94	90	87	89	90	85	84	84	83	86	86	89	87.7
	Minimum	59	58	57	65	63	65	72	67	68	65	66	67	66	69	57	62	56	60	68	67	65	69	69	72	70	67	55	61	66	53	64	64.1
Shippensburg	Maximum	87	85	82	82	90	91	89	87	87	87	92	94	93	89	86	84	88	89	94	97	90	85	89	89	84	86	83	81	85	85	86	87.6
	Minimum	62	62	59	61	67	67	68	69	69	65	68	68	65	60	63	64	57	64	68	67	67	69	69	75	70	69	61	60	67	56	65	65.2
Somerset	Maximum	83	77	80	77	81	86	83	81	77	79	86	87	82	84	83	79	82	87	89	87	85	82	81	83	79	75	80	81	78	81	82	81.8
	Minimum	55	52	56	60	63	61	59	61	61	62	53	54	65	46	51	53	46	55	57	55	59	64	64	70	66	64	55	49	62	42	62	57.5
State College	Maximum	84	81	80	81	87	93	85	78	83	82	89	90	82	85	82	80	85	88	92	93	38	84	88	84	84	81	82	81	81	82	86	84.5
	Minimum	58	56	60	62	63	64	69	71	66	65	64	64	66	58	62	58	52	61	62	66	63	67	68	69	69	64	53	60	62	53	63	62.5
Stroudsburg	Maximum	88	85	84	80	89	88	91	78	76	86	89	93	83	86	82	84	86	88	92	89	88	86	89	91	83	85	79	78	81	87	86	85.5
	Minimum	55	54	50	60	65	68	66	73	70	69	65	65	66	55	58	62	58	59	66	65	63	66	71	72	72	64	58	54	63	53	54	62.4
Towanda	Maximum	83	82	83	84	91	92	86	81	73	83	89	91	82	86	85	81	86	89	94	91	91	88	88	89	83	81	84	84	76	86	89	85.5
	Minimum	51	50	57	62	65	65	67	64	67	67	63	63	62	55	58	68	55	62	62	61	62	69	67	72	70	61	52	55	62	50	56	61.3
Uniontown	Maximum	87	84	89	83	85	89	90	88	78	83	90	91	85	86	87	81	89	89	92	92	82	88	86	88	85	81	84	83	82	85	86	86.1
	Minimum	63	69	69	69	71	69	67	68	67	67	63	66	69	58	63	62	62	66	67	65	66	69	74	73	69	65	61	60	67	54	65	65.9
Vandergrift	Maximum	88	86	87	76	88	95	93	88	87	86	93	96	94	90	88	85	90	92	95	92	90	89	87	90	91	80	85	87	84	86	94	88.8
	Minimum	59	62	63	60	62	68	67	66	62	64	62	63	69	57	60	57	51	62	65	64	61	69	71	74	70	69	61	68	59	54	68	63.2
Warren	Maximum	80	80	84	85	88	89	85	85	80	80	82	87	80	80	78	77	80	89	92	90	91	88	80	80	79	79	78	80	83	80	83	83.0
	Minimum	52	56	63	70	68	70	69	66	64	69	62	64	66	64	61	61	53	68	69	66	68	67	70	69	68	64	57	59	65	51	65	64.0
Waynesburg	Maximum	88	90	87	86	85	91	89	88	80	88	92	92	87	89	88	84	92	90	94	91	79	88	86	87	85	86	88	85	85	86	87	87.5
	Minimum	61	58	65	68	70	68	69	65	66	64	63	63	69	56	59	57	55	65	65	63	63	70	73	73	70	65	60	59	66	51	65	64.0
Wellsboro	Maximum	83	85	81	83	104	96	86	77	73	85	93	92	90	85	71	82	87	93	94	92	90	87	87	92	84	82	86	80	80	86	86	86.2
	Minimum	47	47	52	60	61	63	64	64	64	63	59	60	56	62	53	56	50	57	60	62	63	64	64	62	66	56	46	51	52	44	60	57.7
Williamsport	Maximum	81	81	81	80	90	96	89	84	80	85	91	94	89	82	83	81	87	87	95	91	90	90	89	91	86	84	84	81	85	88	92	86.7
	Minimum	57	56	64	65	67	68	72	71	68	69	66	67	68	59	61	62	56	69	68	65	66	70	70	71	69	64	54	61	65	55	64	64.7
Williamstown	Maximum	87	85	86	83	90	91	89	84	82	87	91	91	91	89	85	81	87	88	91	94	89	87	85	85	85	....	....	....	....	....	....	87.3'
	Minimum	64	60	57	61	66	61	63	65	64	64	66	61	65	63	65	59	61	60	61	61	64	66	67	64	61	57	51	60	58	49	51	61.1
York	Maximum	89	85	83	82	92	92	91	85	86	91	93	98	95	91	87	85	90	92	98	97	92	89	94	91	89	82	86	84	87	88	89	89.5
	Minimum	64	61	57	61	67	68	72	70	70	65	67	68	69	61	65	62	58	64	68	66	66	68	69	73	71	71	61	58	63	53	65	65.2

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

OL. XL. AUGUST, 1935. No. 8.

GENERAL SUMMARY.

August gave only a moderate excess in temperature and with ess than the usual extremes, yet seemed to leave the general mpression of being a very hot month. This result was probably lue in part to the almost steady heat and in part to more than he usual number of morning fogs that left the air for the day vith a high moisture content. The rainfall averaged a little less han the August normal with a greater variation in distribution han usual. Excessive rains occurred, early in the month, in he southwestern portion of the State, chiefly over regions where he July rainfall had been deficient. In the greater portion of ayette County the rainfall neared ten inches. The monthly ainfall was lightest in York County with less than an inch. ains were generally light and scattered in all parts of the State uring the last half of the month, and the top soil became very ry in the Susquehanna drainage area, so dry in some places hat plowing was difficult. The effects of the weather on farm perations and on crops were almost as varied as the rainfall. uch oats and some wheat remained in the shocks during the rst half of the month, and the excessive rains in the southestern part of the State caused heavy damage. Practically all that grain was badly discolored, and in many places it was ported as sprouting in the shocks. Threshing made rather ow progress during the first half, but was speeded up during e last half of the month. Wheat yields were good to extra eavy while yields of oats were only fair, and much of the grain as light in weight. Pastures and meadows were fair to good the Ohio and Delaware drainage areas, but suffered considerly from lack of moisture over most of the Susquehanna drainge. Corn was least affected of all the crops by either an excess a deficiency of rainfall, and developed an extra fine and proming crop. Early varieties of potatoes were mostly dug and arketed during the month with satisfactory results. Later rieties suffered considerably from lack of moisture at a critil time, and were not setting well. A large crop of tomatoes iled to glut a demand which seemed to be almost unlimited nce tomato juice has become so popular. Buckwheat made a e development. It was in full bloom near the end of the onth, and was unusually promising. The month seemed to exerience more than the usual amount of damage by severe local orms. The southwestern rains flooded many small streams in dition to the grain that was damaged in the shocks, and severe cal thunderstorms were numerous, with their characteristic mage by winds, hail, and lightning. A tornado was reported Oreland, about five miles north of the Chestnut Hill section of iladelphia. A distinct funnel cloud was observed. The path destruction was about a hundred yards in width, and very short. o persons were killed or injured. The damage to property and ops was about $5,000. The giant Wm. Penn oak, more than 200 years old, was badly damaged, if not ruined, in this storm.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 88 stations, was 71.3°, which is 1.3° above the August normal. The highest monthly mean was 76.7°, at Marcus Hook, and the lowest was 61.5° at Gouldsboro. Extremes of temperature ranged from a maximum of 98° at Ephrata, Phœnixville and York on the 1st, to a minimum of 31°, at Gouldsboro on the 25th. The greatest daily range in temperature was 44° and occurred at Brookville on the 25th, at Carlisle on the 29th, and at Corry on the 24th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports from 142 stations, was 3.91 inches which is 0.26 inch less than the August normal. The greatest monthly amount was 9.96 inches at Newell, while the least, 0.87 inch occurred at York Haven. The greatest amount recorded in any 24 consecutive hours was 4.12 inches at Derry on the 2-3d.

COMPARATIVE DATA FOR AUGUST

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.8	−0.2	100	33	7.05	+2.88	11.27	3.18	......	10	13	10	8
1889	67.4	−2.6	100	37	3.24	−0.93	7.07	0.83	......	8	15	10	6
1890	68.8	−1.2	98	34	5.76	+1.59	9.65	2.58	......	12	9	14	8
1891	69.6	−0.4	99	35	5.09	+0.92	11.77	1.43	......	12	8	12	11
1892	71.4	+1.4	99	42	3.77	−0.40	7.64	1.07	......	9	14	7	10
1893	70.4	+0.4	99	30	4.50	+0.33	9.99	1.68	......	8	14	10	7
1894	69.4	−0.6	98	32	1.84	−2.33	5.51	0.17	......	6	13	12	6
1895	72.3	+2.3	101	32	3.23	−0.94	6.03	0.59	......	9	15	11	5
1896	71.2	+1.2	101	35	2.22	−1.95	6.53	0.45	......	8	14	11	6
1897	67.9	−2.1	97	34	3.17	−1.00	8.60	0.34	......	9	14	11	6
1898	72.3	+2.3	99	37	6.60	+2.43	11.32	3.72	......	12	11	11	9
1899	71.2	+1.2	101	38	4.01	−0.16	10.09	0.07	......	7	14	10	7
1900	75.0	+5.0	103	38	3.33	−0.84	5.78	0.84	......	9	14	12	5
1901	72.0	+2.0	99	42	6.81	+2.64	13.65	2.48	......	11	10	12	9
1902	67.8	−2.2	100	34	2.62	−1.55	6.44	0.51	......	8	13	13	5
1903	67.2	−2.8	99	36	5.29	+1.12	8.05	2.00	......	14	9	12	10
1904	68.0	−2.0	96	34	4.36	+0.19	9.64	1.66	......	9	15	10	6
1905	69.6	−0.4	95	36	5.71	+1.54	10.83	1.92	......	12	12	12	7
1906	73.2	+3.2	96	39	5.62	+1.45	11.65	1.62	......	12	10	12	9
1907	68.0	−2.0	97	32	2.94	−1.23	6.19	0.77	......	10	16	9	6
1908	69.4	−0.6	102	30	3.22	−0.95	8.06	1.22	......	7	15	10	6
1909	69.4	−0.6	100	34	2.31	−1.86	7.76	0.12	......	7	16	9	6
1910	69.8	−0.2	98	35	2.61	−1.56	6.46	0.55	......	6	14	10	7
1911	71.4	+1.4	102	36	7.63	+3.46	15.14	2.60	......	13	11	8	12
1912	67.1	−2.9	93	36	5.02	+0.85	9.65	1.68	......	14	9	12	10
1913	70.4	+0.4	102	38	2.69	−1.48	10.93	0.70	......	8	17	9	5
1914	71.3	+1.3	100	34	3.85	−0.32	7.20	0.64	......	11	13	11	7
1915	68.0	−2.0	99	34	6.71	+2.54	14.44	1.92	......	15	10	11	10
1916	71.9	+1.9	103	32	2.57	−1.60	7.08	0.21	......	8	17	10	4
1917	71.2	+1.2	101	38	6.69	+2.52	17.50	1.06	......	10	15	10	6
1918	73.6	+3.6	108	32	4.12	−0.05	8.08	1.05	......	11	16	10	5
1919	68.2	−1.8	94	35	5.43	+1.26	12.03	2.35	......	12	13	10	8
1920	70.2	+0.2	95	37	4.66	+0.49	9.29	1.93	......	15	9	12	10
1921	68.4	−1.6	97	35	3.83	−0.34	6.68	1.81	......	9	17	8	6
1922	69.1	−0.9	100	31	3.14	−1.03	8.16	1.15	......	10	15	9	7
1923	69.2	−0.8	96	30	3.10	−1.07	7.30	0.59	.....	9	15	11	5
1924	70.1	+0.1	102	31	3.78	−0.39	7.54	1.48	......	9	16	10	5
1925	69.7	−0.3	97	26	2.28	−1.89	5.14	0.65	......	7	18	9	4
1926	71.9	+1.9	103	32	5.69	+1.52	10.04	2.95	......	15	11	8	12
1927	65.5	−4.5	92	34	4.12	−0.05	11.49	1.13	......	12	12	10	9
1928	73.4	+3.4	99	35	4.60	+0.43	10.87	1.32	......	12	13	11	7
1929	67.7	−2.3	98	31	2.52	−1.65	7.20	0.20	......	7	17	8	6
1930	70.3	+0.3	108	29	1.47	−2.70	4.12	0.29	......	7	15	10	6
1931	71.1	+1.1	104	40	4.01	−0.16	8.78	1.30	......	12	11	10	10
1932	71.6	+1.6	103	34	2.82	−1.35	6.81	1.09	... ..	8	19	8	4
1933	70.8	+0.8	104	38	7.61	+3.44	17.70	1.22	......	12	13	9	9
1934	68.6	−1.4	98	30	4.94	+0.77	10.49	1.27	......	11	14	8	9
1935	71.3	+1.3	98	31	3.91	−0.26	9.96	0.87	......	11	13	10	8
Period	70.0	....	108	26	4.17	....	17.70	0.07	......	10	13	11	7

W. B. O. Philadelphia-9-26-35-1050.

Climatological Data for August, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	71.6	+0.2	94	1	48	25†	32	4.15	−0.46	1.59	0	13	17	4	10	ne.	John A. Frick.
Altoona	Blair	1,615	48	68.8	−0.2	89	1	40	25	37	3.60	+0.27	1.08	0	11	11	14	6	w.	John J. Martin.
Ardmore	Montgomery	350	3	73.8	+2.5	94	13	51	25	30	5.05	−0.41	1.97	0	11	7	10	14	......	H. L. Balderston.
Arendtsville	Adams	700	13	72.0	0.0	94	1†	46	29†	38	3.39	−0.09	0.83	0	12	21	4	6	ne.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	71.6	......	94	13	42	29	38	4.55	......	1.10	0	10	12	8	11	s.	Charles C. Lee.
Bellefonte	Center	1,050	27	69.4	−1.4	89	1	39	29†	35	1.26	−2.58	0.46	0	9	3	12	16	sw.	U. S. Airway Radio Sta.
Bethlehem	Northamptou	364	50	73.8	+1.0	94	13	49	29	29	3.23	−1.07	0.85	0	13	17	4	10	sw.	Lehigh University.
Carlisle	Cumberland	467	69	76.6	+4.0	97	1	46	29	44	1.26	−3.18	0.50	0	9	17	9	5	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	72.3^{a}	+2.0	94^{a}	17	41^{a}	25	36^{a}	2.74	−1.02	0.80	0	10	23	6	2	......	W. L. Gearhart.
Center Hall	Ceuter	1,272	39	66.4^{c}	−2.3	89	13	46^{g}	24	37^{g}	1.49	−2.19	0.60	0	7	23	5	3	......	Edward E. Bailey.
Chambersburg	Franklin	580	36	73.6	+1.8	97	1	44	25	40	2.38	−1.58	0.61	0	7	8	11	12	sw.	William B. Spear.
Clearfield	Clearfield	1,120	28	70.7	+0.8	89	1†	40	25†	37	5.10	+0.99	1.60	0	14	10	14	7	nw.	E. W. Hess.
Coatesville	Chester	380	48	73.4	+0.9	96	13	48	25	33	1.57	−2.80	0.32	0	13	5	8	18	se.	Howard L. Pyle.
Colebrook	Lebanon	560	24	70.4	+0.1	92	1	42	25†	33	1.58	−3.07	0.53	0	9	13	7	11	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	68.3	+0.9	88	1	40	25	32	2.26	−1.63	0.39	0	10	11	10	10	sw.	T. B. Lloyd.
Ephrata	Lancaster	380	43	74.6	+3.0	98	1	47	25†	38	1.70	−3.73	0.51	0	10	10	11	10	s.	Ira J. Keath.
Freeland	Luzerne	1,970	42	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Vacant.
George School	Bucks	190	29	73.6	+2.2	93	1†	49	25	31	2.94	−1.64	1.36	0	12	22	5	4	se.	Prof. N. W. Swayue
Gettysburg	Adams	553	62	74.6	+2.7	96	13	48	29	38	1.71	−2.21	0.48	0	10	16	8	7	se.	Dr Henry Stewart
Gordon	Schuylkill	840	31	69.6	+1.8	91	2†	39	25	37	3.51	−0.73	2.00	0	11	13	13	5	e.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	61.5	−1.5	77	12	31	25	26	2.75	−1.59	1.22	0	6	17	7	7	w.	Ronald H. Marshall,
Hamburg	Berks	535	42	72.2	+1.0	97	13	43	29	39	1.09	−3.91	0.30	0	9	20	10	1	e.	State Sanatorium.
Hanover	York	600	31	75.6	+2.5	96	13	47	25	33	0.93	−3.33	0.38	0	9	17	8	6	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	73.8	+1.2	94	1	53	29	28	2.37	−1.67	1.09	0	9	6	13	12	w.	U. S. Weather Bureau.
Hawley	Wayne	900	17	67.6	−0.2	93^{a}	13	39	25†	37^{a}	2.04	−2.01	1.26	0	13	17	13	1	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	75.7	+2.2	93	1	55	25†	25	1.88	−1.87	0.53	0	11	8	15	8	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	70.5	+0.1	92	1	42	29†	37	4.37	+0.59	1.35	0	9	9	11	11	ne.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	72.9	+2.0	94	1†	40	29	42	4.58	+0.80	1.07	0	13	18	4	9	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	U. S. Weather Bureau.
Lancaster	Lancaster	255	48	73.0	+1.0	96	1	44	25	39	1.90	−1.90	1.22	0	9	14	14	3	s.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	69.0	+1.1	91	1†	40	31	36	4.44	+0.89	1.53	0	10	12	16	3	......	C. P. Darling.
Lebanon	Lebanon	469	51	72.9	+1.1	96	1	44	25	36	1.92	−2.38	0.63	0	11	19	9	3	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	72.6	+1.5	95	1	45	25	37	3.31	−0.76	1.26	0	11	7	21	3	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	8	76.7	......	96	2†	55	30	26	5.28	......	1.82	0	12	18	7	6	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	69.9	+0.1	92	4	44	25	36	2.21	−2.55	0.80	0	9	14	9	8	s.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	29	65.2	+1.4	91	12	39	25	32	2.78	−1.46	0.70	0	13	8	10	13	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	23	67.6^{a}	0.0	88^{a}	1†	38^{a}	25	38^{a}	2.76	−1.84	0.46	0	12	22	4	5	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	72.8	+1.8	94	1	51	25	32	3.67	−1.15	1.67	0	13	15	7	9	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	70.8	......	91	1	45	25	32	2.35	−1.36	0.76	0	9	11	16	4	e.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	75.3	+0.5	93	13	56	25	22	3.34	−1.28	1.58	0	10	7	10	14	e.	U. S. Weather Bureau.
Phila. Navy Yard	Philadelphia	12	19	75.4	+1.2	97	13	56	25†	27	3.12	−1.42	1.88	0	14	4	14	13	e.	Commandant, Navy Yard.
Phila-Point Breeze	Philadelphia	90	9	75.3	......	94	1†	56	31	26	2.90	......	1.42	0	6	8	14	9	sw.	Atlantic Refining Co.
Phœnixville	Chester	100	25	75.0	+2.1	98	1	47	25	39	3.96	−0.70	1.57	0	10	15	13	3	ue.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	50	70.5	+0.3	92	1	43	29	35	5.55	+1.18	2.35	0	10	12	9	10	s.	John E. Benner.
Reading	Berks	514	65	72.8	+0.4	94	13	53	31	24	1.44	−2.77	0.60	0	14	7	12	12	se.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	69.2	......	91	13	42	25	41	2.74	......	1.43	0	11	16	12	3	sw.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	70.8	+1.0	92	13	48	25	28	4.95	+1.26	2.37	0	14	7	14	10	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	71.8	+0.6	92	1	42	25†	37	1.94	−2.12	0.44	0	8	14	14	3	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	75.0	+1.8	93	1†	53	29†	27	5.38	+0.35	2.26	0	11	10	12	9	s.	W. S. Guiles.
Shippensburg	Cumberland	660	2	72.4	......	93	13	46	25†	35	2.04	......	0.60	0	8	12	8	11	sw.	State Teachers College
State College	Center	1,217	51	69.2	+0.7	89	1	42	25	34	1.44	−2.07	0.41	0	8	14	12	5	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	70.4	+1.4	91	1	43	29	35	3.12	−1.85	0.80	0	8	19	4	8	w.	State Normal School.
Towanda	Bradford	754	41	69.2	+1.0	92	13	41	25†	37	2.82	−0.61	0.72	0	13	8	16	7	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	66.7	+0.6	89	1†	35	31	39	3.45	−0.06	1.10	0	11	20	7	4	w.	George W. Hill.
West Chester	Chester	455	86	72.3	+0.4	89	1†	52	31	24	3.54	−1.09	0.70	0	12	16	10	5	w.	Joseph W. Belt.
Williamsport	Lycoming	521	49	71.6	+0.9	93	1	45	25†	36	2.89	−1.09	0.79	0	11	12	12	7	nw.	Miss Veronica E. April.
Williamstown	Dauphiu	1,275	20	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Susquehanna Collieries Co.
York	York	400	47	74.1	+1.9	98	1	40	25	41	0.95	−3.00	0.31	0	10	15	12	4	e.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	72.8	+0.9	94	1	48	29†	30	5.40	+1.88	1.95	0	11	4	12	15	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	67.6	+2.0	91	2†	34	25	44	6.00	+2.13	2.00	0	10	7	13	11	......	Frauk S. Fawcett.
Butler	Butler	1,077	22	70.2	+0.7	93	1	41	29	38	5.71	+1.51	1.90	0	8	12	14	5	se.	William C. Faust.
Chambersville	Indiana	1,047	5	70.0	+0.1	92	1	38	29	40	3.76	−0.30	1.09	0	13	13	2	16	sw.	John E. Lewis.
Clairton	Allegheny	1,020	3	70.7	......	92	1†	44	29†	34	5.57	......	2.16	0	10	7	9	15	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	72.8	+1.5	94	13	42	29†	42	8.88	+5.09	1.90	0	12	16	3	12	w.	J. L. Melvin.
Corry	Erie	1,430	22	69.4	+3.6	90	12†	38	24	44	3.43	−0.17	1.37	0	10	9	15	7	sw.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	71.6	+1.0	92	12	45	24†	32	9.38	+5.35	4.12	0	9	13	12	6	w.	Ted R. Wineman.
Donora	Washington	762	8	74.9	......	92	12†	49	31	29	5.91	......	1.41	0	10	8	16	7	......	Donora Zinc Works.
Ebensburg	Cambria	2,000	18	68.7	+3.1	87	12	42	25	35	2.75	−1.17	0.82	0	11	23	5	3	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	66.0	+0.2	89	13	40	25	38	7.14	+2.69	2.20	0	10	18	9	4	w.	J. S. Stevanus.
Franklin	Venango	957	61	70.8	+2.7	95	15	36	25	43	3.86	+0.16	1.17	0	13	13	6	12	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	26	70.4	−0.1	90	1	42	31	33	7.56	+3.61	2.43	0	12	8	21	2	e.	Westmoreland Water Co.
Greenville	Mercer	950	39	71.9	+3.3	94	12	44	24†	40	3.76	+0.36	1.10	0	7	15	5	11	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	69.9	+1.8	90	12	44	29	31	5.21	+1.95	1.46	0	11	10	7	14	s.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	11	72.6	+2.3	90	13	43	31	37	5.95	+2.24	1.50	0	12	19	7	5	......	W. F. Gallagher.
Johnstown	Cambria	1,184	53	72.4	+1.3	94	13	44	29	39	6.88	+2.55	2.08	0	12	14	12	5	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	65.4	......	85	1	37	25†	38	3.04	......	0.93	0	14	12	9	10	se.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	69.0	−1.8	87	15	46	29†	26	5.67	+1.49	2.50	0	7	3	22	6	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	71.4	+4.5	94	1	45	25†	33	2.73	−1.01	0.61	0	9	14	7	10	s.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	71.8	......	91	1†	45	31	31	7.11	......	1.99	0	11	10	8	13	nw.	Fred Hoffman.
New Castle	Lawrence	808	55	72.4	+2.1	95	2	44	29	33	6.23	+3.02	1.89	0	12	10	15	6	s.	New Castle Water Co.
Newell	Fayette	800	15	72.4	+0.9	90	13†	51	31	26	9.96	+6.90	2.60	0	11	24	6	1	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	72.1	−0.8	91	12	46	31	27	4.92	+1.69	1.74	0	11	5	13	13	sw	U. S. Weather Bureau,
Ridgway	Elk	1,350	28	66.4	−0.9	89	19†	36	25	42	2.01	−1.26	0.64	0	9	8	10	13	s.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	71.4	+1.6	94	1†	46	31	32	8.38	+4.95	2.50	0	10	14	8	9	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	66.6	−0.6	88	13	35	29	42	5.21	+0.61	1.88	0	9	5	11	15	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	73.0	+1.4	91	1†	45	29	31	9.86	+5.24	2.88	0	15	12	16	3	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	71.7	+0.8	96	1	41	24	38	7.35	+3.29	3.73	0	10	17	10	4	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	69.5	+2.1	90	16	42	25	30	1.79	−2.12	0.65	0	9	18	5	8	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	72.6	......	92	15	44	29†	37	6.26	......	1.60	0	11	3	24	4	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	71.8	+2.2	93	12	51	31	23	2.02	−1.25	0.54	0	11	11	11	9	se.	U. S. Weather Bureau.
For the State	......	......	......	71.3	+1.3	98	1	31	25	44	3.91	−0.26	4.12	0	11	13	10	8	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for August, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.08	1.51	.03	.67			.21	.05	T.		.47			.07						T.		.48	.34					.02		.12	.10	4.15
Altoona	Juniata		.42	.32	T.		.18	1.08	.30	.03	.78			.40	T.		.02				T.	.03						.04					3.60
Ansonia‖‖	W. Br. Susq		.75	.01			.94	.17	.06		.97			.49			.18					T.							.35			.15	4.07
Ardmore	Lower Del	1.16	.17		.01		.06	.26				T.				1.97	1.12			.07	.04	.02								.07			5.05
Arendtsville	Lower Susq		.08	.12				.70	.56			.35			.01		.83				.36	.03	.04					.28			.03		3.39
Baker's Summit	Juniata		.47	.70				.55	.42	.02	.10	.26		.10	.95						.02	.01						.28					3.88
Bedford	Juniata		1.10	1.01	.10		T.	.57	.24	.01	T.	.72		T.	.05		.06				T.	T.	T.					.69					4.55
Bellefonte	W. Br. Susq	T.	T.	.18			.03	.15	.01		.19			.46	.19													.04			.01		1.26
Bethlehem	Lehigh		.85	.11	.32	.09		.35	.01			.49			.01						T.	.03	.70					.02	.01		.24		3.23
Bloserville‡‡	Lower Susq	.05		.45				.40	.50						.15													.15					1.70
Buffalo Mills	Juniata		1.01	.61	.12			.67	.05	.07		.74			.14							.10						.57					4.08
Carlisle	Lower Susq	T.	.02	.24	.04		T.	.50	.13		.10			T.	.06							T.	T.			T.	.06		.11	T.	T.		1.26
Catawissa‡	N. Br. Susq	.80	.02	.18				.55	.18		.02						.18					.10	.20					.51					2.74
Center Hall	Susquehanna							.18	.12		.04	.06		.60	.35													.14					1.49
Chambersburg	Potomac		.25	.46				.60	.08		.05	.56									T.							.38					2.38
Clearfield	W. Br. Susq		T.	.65	.06			.70	.63	.38	.15	.12	.18	.28	.22		.06					T.	1.60					.06	.01				5.10
Coatesville	Lower Del	.10	.20	.08				.15	.02			.15		.32			.01				.03	.19	.10					.06			.16		1.57
Colebrook	Lower Susq			.11			.02	.13	.32			.03				T.	T.					.31	.53					.06			.07		1.58
Conshohocken	Schuylkill		1.21	.49				.18				.01			T.	.75	.55	T.		.04	.03	T.									.18		3.44
Doylestown	Lower Del		.92	.03	2.13	.01		.07				.05			T.		.25			T.	.34		.02					.04			.24		4.10
Emporium	W. Br. Susq			.05	T.		.07	.35	.39		.26				.24		.30			T.		.16	.17					.27			T.		2.26
Ephrata	Lower Susq		.06	.09				.18	.12	.02		.40		.12								.51	T.					.07			.13		1.70
Forest City	N. Br. Susq			.12		.02		.22				.36	.48		.36								.55					T				.61	2.72
Freeland‖‖	Lehigh																																......
Galeton	W. Br. Susq		.41	.21			.06	.70	.22		.06	.22			.52		.45											.40			.33		3.58
George School	Lower Del		.88	.05	1.36	T.		.10	.01			.08	.01				T.			T.	.03	.18	.03					.02			.19		2.94
Gettysburg	Potomac		.03	.15	T.			.48	.19		T.	.11		T.		T	.39			T.	T.	.03	.02					.28			.03		1.71
Girardville‖‖	Lower Susq	.62	.18	1.06			.40	.05	.04		.06											.15	.13					.03					2.72
Gordon	Lower Susq		2.00	.14	.01	.71		.27	.07			.01			.01							.12	.13					.04					3.51
Gouldsboro‖	Lehigh		1.22			.10			.43						.90								.03						.07				2.75
Graterford	Schuylkill		.49	.84	.03		.18	.07				.02		T.			.80				.04	.48	.02					.05			.14		3.16
Hamburg	Schuylkill		.07	.10	.30			.20				.30			.01								.03						.01		.07		1.09
Hanover	Lower Susq		T.	.07	.03			.38	.03			.08				.01	.05				T	T.	T.					.21			.07		0.93
Harrisburg***	Lower Susq		.08	.15			.02	.39	.49		.05				T.	1.09							T.					.09	T.		.01		2.37
Hawley‖‖	Upper Del		.01	.01		.03		.16	.05			.17	.01		1.26			.04				.12	.08					T.	.06			.04	2.04
Hollisterville	Upper Del		.55	.09		T.		.27	.01	T.		.22	.01		.15		T.	T.				T.	T.					.01	T.			.19	1.50
Holtwood‖	Lower Susq			.07	.08			.13	.03	.02					.38							.53	.10	.36				.12			.06		1.88
Huntingdon	Juniata		1.35	.57			.03	.58	.10		.83			.38	.51													.02					4.37
Hyndman	Potomac		1.07	.68	.06		.21	.71	.04	.02		.88			.21						.13		.01					.53			.03		4.58
Kylertown***	W. B. Susq																																......
Lakeville‖‖	Upper Del	.02	.07	.05			.25	.05	T			.23			1.44	T.						.15	.03					.01		.02			2.32
Lancaster	Lower Susq			.14	.01			.10	.03			.08		.06								1.22						.11			.15		1.90
Lansford‖‖	Lehigh		1.11	.29	.18			.42	.07			.05			T.							.91	.08	T.					.14		.05		3.30
Lawrenceville	N. Br. Susq	.30	.08	.20				.50	T.		T.	1.53			.23		.30	.10				T.	T					1.00			.20		4.44
Lebanon	Lower Susq	.55	.08				.07	.36	T.		.15			.30							.12	.02	.01				T.	.22		.04	T.		1.92
Lehighton‖‖	Lehigh		.87	.13	.04			.45	T.			.34			.18							.11	.13						.14			T.	2.39
Lock Haven	W. Br. Susq		.12	.05	.04			.50	.39			.48		.05	.33		1.26											.03				.06	3.31
Marcus Hook	Lower Del		.74	.04	.22			*	.37					T.		1.82	.55	.34				.30	.28	.40							.22		5.28
Matamoras‖‖	Upper Del		.33	.10					.08			.20			.37								.34					.03				.05	2.00
Mauch Chunk	Lehigh	.80	.10	.15				.46	.02						.04							.45						.11			.08		2.21
Morris Run	N. Br. Susq	T.	.74	.21	.56		.40	.10				1.02		.30				.16					.03					T.			.04		3.56
Mount Pocono	Upper Del	.70	.10	.35	.10			.30	.02			.43	.24	.10							T.	.19						.10	.06			.09	2.78
Muncy Valley	W. Br. Susq	.20	.46	.18				.40	.02		.22	.34		.38	.03								.10					.05			T.	.38	2.76
Neshaminy‖‖	Lower Del	.27	.20		.39			.06				.03			.10	1.67				.06	.24	.04	.29					.08			.24		3.67
New Park	Lower Susq			.90				.40			.06			1.04							.05	1.00	.13								.26		3.84
Newport‖‖	Juniata		T.	.24	.05			.20	.45	.20		.12			.03			T.					T.					.06					1.35
Palmerton‡	Lehigh	.76	.08	.04				.41				.41		.31	.06					T.			T.					.19			.09		2.35
Paupack‖‖	Upper Del		.08	.05				.24	.05		.07				.98		.05					.18						.06				.10	1.86
Philadelphia***	Lower Del	1.15	.52	T.			T.	.15	T.			.03			.02	.78	.47			.02	.04	T.	T.					T.			.16		3.34
Phila. Navy Yard‖‖	....do	.02	1.88	.02				.10	.04	T.		.01				.08	.20	.44			T.	.04	.08	.10					T.		.06	.05	3.12
Phila-P'nt Breeze.‡	Lower Del		1.42	T.				.16				.03					1.12			T.	.04							T.			.13		2.90
Phoenixville	Schuylkill		1.45	.01				.32	.04			.06		.18			1.57				.03	.27									.03		3.96
Pine Grove	Lower Susq	.46	.04	.05	.60		.09	.18	.04		.08			.70							.02	.53						.16			.10		3.03
Pleasant Mount	Upper Del	.10	.24				.13		.23		.52			.19			.06						.31					.06			.28		2.12
Pottstown	Schuylkill	.71	.01	.02	.21		.02	.07	.02			.09		.05							T.	.13	.04					.01			.15		1.53
Pottsville	Schuylkill		1.48	.80	.02	.41		.32	.09	.01		T.		.02	T.	T.		.22				.50	.13					.02	.04		.02		4.08
Quakertown	Lower Del		1.11	.05	2.35			.19				.90									.01	.38	.13					.20			.23		5.55
Reading***	Schuylkill	.60	.02	.02	.20		.01	.08	.02		.01	.09		.04						T.	T.	.15	.04					.02			.14		1.44
Renovo.‖‖	W. Br. Susq			.14		.54		.22	.25			.70			.28		.59												.13			.10	2.90
Retreat	N. Br. Susq	1.43	.12	.10		.10		.38	.04		.07	.13										T.	.11				.08					.18	2.74
Scranton***	....do	1.21	T.	.10	.18		.02	.35	.01		.02	.22		.23	.03		2.37					.02	T.					.03	T.	T.	.16		4.95
Selinsgrove	Lower Susq		.44	.28				.22	.36		.33			.19	.02																.10		1.94
Shawmont	Schuylkill		1.08	.29		.05		.25	.04								2.26	1.20		.03	.06		T.	.01				T			.11		5.38
Shippensburg	Lower Susq		.30	.43	.01			.60	.01		T.	.29		.05	T.					T.								.35					2.04
Snow Hill‡‡	Upper Del	.14		.34				.26				.40		.88							.16	.20						.12			.12		2.62
State College	W. Br. Susq	T.	.10	.28				.24	.41	T.	.14	T		.17	.04						T.	T.	T.					.06			T.		1.44
Stroudsburg‖‖	Upper Del		.60		.40				.10			.80										.40	.10	.52								.20	3.12
Sunbury‖‖	Lower Susq	.04	.20	.06		.11		.16	.19	.05		.09			.30	T.							.63					T.	.05				1.88
Susquehanna‖‖	N. Br. Susq		.82	.01	T.			.13	.05	T.		.62	T.		.29								.05					T.	.16		T.	.06	2.19
Towanda	....do	.30	T.	.08	.05	.01	.03	.47	T.		.09	.63		.62			T.					.02	.11				T.	T.	.03		.38		2.82
Weikert	Lower Susq				.63			.20						1.10							.05							.08					2.06
Wellsboro	W. Br. Susq	.02	.49	.13	.05		.01	.20	.18		.40	1.10			T.													.18			.39		3.45
West Chester	Lower Del	.02	.35	.08				.27	.28			.05		.50		.64					.06	.70	.42								.17		3.54
Westgrove‖‖	....do	.03		.04				.15	.04	T.		T.			.24		1.27				.03	.28	1.20	.13				T.			.05	.06	3.52
Wilkes-Barre‖‖	N. Br. Susq		.09	.82		.03		.28	.03			.05						.77				.79	.05					.03	.03			.04	3.01
Williamsport‖‖	W. Br. Susq		.43	.20	.19			.46	.36	.06		.79			.25		.09						.03					.03	T.				2.89
Williamstown	Susquehanna																																......
York	Lower Susq		02	.12				.31	.06	.05		.09		.04			.02						T.					.16			.08		0.95
York Haven‖‖	Lower Susq	.10		.14	.04			.26	.12	.07		.02																.02	.07		.03		0.87
Zionsville..(near)	Schuylkill		1.40	.05	2.12			.21				.55					.10				.03		.01					.20	.02		.24		4.93
Trenton, N. J***	Lower Del	.59	.01	.01	.45	.03		.05				.03			T.	1.39		T.		T	.01	T.	.35					T.			.17		3.09

Continued on page 39.

Daily Precipitation for August, 1935—Continued from page 38

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.02	.54	.90	.38	.02		1.95	T.			.22		T.	.35		.43						.47						.12				5.40
Beaver Falls‖‖	Beaver		1.68	1.14	.48	.01		1.08	.01			.07			.46		.74					T.	1.54						T.		T.		7.21
Bradford	Allegheny	T.	.14	.16			.05	.45	.55		1.51	.75		.01	.01							.42						.53	.01		.03	.02	4.64
Brookville	....do		.13	1.02	.70			.76	.05			.26			.03		2.00							.10						.95			6.00
Butler	Ohio		1.90	.38			.65		.73		.22			.32			1.00											.51					5.71
Chambersville	Allegheny	.03	1.09	.58			.31	.38	.22		.71	.02		.14	.02		.12					.06						.08			T		3.76
Clairton‡	Monongahela		2.16	.55	.05		.45	.12			.20				.05	1.30						.50	T.					.19					5.57
Claysville	Ohio	.03	1.87	1.90	.77			1.60	1.27		.07			T.	.35	T.	.16					.39						.15	.32		T.		8.88
Confluence‖‖	Youghiogheny		2.95	1.45	.85			1.51							1.30													.36					8.42
Corry	Allegheny		.12			.09	.19	.10	.02		1.37						.08					.62						.74			.10		3.43
Derry	Conemaugh		3.46	4.12	.08		.28	.30		.52					.07							.24						.31					9.38
Donora‖‖	Monongahela		1.26	1.41	.59			.98		T.		.45			.01	T.	.93					.12						.12	.04				5.91
Ebensburg	Conemaugh		.59	.76	.06		.06	.66	.20		.21			.05	.05								.05					.06					2.75
Elk Lick	Youghiogheny	2.20	1.90	.80				1.05		.02	.25				.10					.04								.70			.08		7.14
Franklin‖‖	Allegheny	.09	.05	.79	.03			.97	.04			.14			.05			1.17				.05	.03					.05	.40				3.86
Greensboro	Monongahela		.68	.74	.67	.46		1.48	.04	.27	.73	.06		.06	.52		.02											.42	.07			T	6.22
Greensburg	Youghiogheny	.17	2.42	2.42	.01		.10	1.17			.68				T.	.08	.10					.25						.14	.02		T		7.56
Greenville	Beaver		.50	.68			.70	.23			T.						1.10					.36						.19					3.76
Grove City	....do	.18	1.36	1.46			.77	.25	.06		.25	.04		T.			.49					.08						.27					5.21
Herrs Isl. Dam‖‖	Ohio	T.	.40	.91	.30	.03		.60	.02	T.	.01	.01			.29	T.	1.44					.20	.05					.07	.03		T.	T.	4.41
Irwin	Monongahela		1.50	1.45	.15		.07	.87			.05				.17	.84	.29					.27						.21	.08		T.		5.95
Johnstown	Conemaugh	.12	2.08	1.72			.06	.68	1.06		.15			.04	.05		.03						.03					.86	T.				6.88
Kane (near) ‡‡	Allegheny	T.		.08			.06	.38	.08	T.	.48	.03		.01	.35		.17					.02	.18					.93			.26	.01	3.04
Kregar‖‖	Youghiogheny	2.27	1.17	.41	.02		.86				.25			.82	T.	.03						.09					.46	.01					6.39
Lake Lynn‖‖	Monongahela		.48	.55	.18	.38		1.50	.06		1.13	.10			.31		.14						.02					.26	.26		.02		5.39
Linesville‖‖	Beaver			.95				.80									.67						.18						.22			.07	2.89
Lock No. 2‖‖	Ohio	T	.17	1.11	.86	.04		1.08	.01			.16			.22		1.05					.30	.90					.01	.05				5.96
Lock No. 4‖‖	Monongahela		2.88	1.59	.28	.18		1.72	T.		.11	.02			.04		1.62						.06					.14	.05			.01	8.70
Lock No. 5‡‡‖‖	Allegheny		3.02	.64	.33			.67	.10	T.		.12			.21		.97					.02	T.					.15	.01				6.24
Lycippus	Conemaugh		2.50	.90	.22		T.	1.05			.13					T.						.60							.27				5.67
McKeesport‖‖	Monongahela		.83	.84	1.07			.41				.08			.04		1.07						.11					.12					4.57
Meadville	Allegheny		.18	.55			.52	.17			.06						.23					.31						.61			.10		2.73
Mosgrove	....do		2.43	.65	.43			.85	.10			.20			1.55		.87						.03						.35				7.46
Mount Lebanon	Ohio	T.	1.99	1.66	.08		1.12	.34			.55			T.	.18	.77	.01					.16						.25			T.		7.11
Natrona‖‖	Allegheny		3.38	.85	.24			.76	.44	.01		.38			.12		.95	.01				.06	.05					.10	.04				7.39
New Castle‖‖	Beaver		.83	1.89	.11	.02		.64	.05			.80	.02	.01			.78	.02					1.06				T.	T.					6.23
Newell	Monongahela		2.10	1.00	.70			2.60	T.		1.24	.05			.20		1.65	T.				.10						.22	.10				9.96
Parkers Landing‖‖	Allegheny		.32	.93	.30			1.00	T.			.34					.28					T.	T.				T.	.17	.57		T.		3.91
Pennline‖‖‡‡	Beaver		.15	.89	.10			.83						T.			.35						.81						.65	.15		.09	4.02
Pittsburgh***	Ohio	T.	1.63	1.13	.05		.45	.16	T.		.13			T.	.09	.87	.01					.31						.09			T.		4.92
Punxsutawney‖‖	Allegheny																																
Ridgway	....do		.07	.04				.22	.15	T.		.21		.43	T.	T.	.64						T.						.21			.04	2.01
Saltsburg‖‖	Conemaugh	.25	2.85	.78	.40			.77	1.36			.04			.04		.32											.08					6.89
Sharon‖‖	Beaver		.58	2.50	.36			1.19				.20					1.05	.22				T.	2.00					.04	.24			T.	8.38
Smethport	Allegheny				.10		.25	.50	.40	.05	.05	.10											.05					.05	1.05				2.60
Somerset	Youghiogheny		1.88	.95	.10			.84	.02		T.				.62							.11	.16					.53					5.21
Springdale‖‖‡‡	Allegheny		1.86	.65	.31			.63	.03	.02		.14			.31		.92					.15	.08					.08	T.				5.18
Uniontown	Monongahela		2.25	2.41	.38		.11	2.77	.05	.15	.07			.04	.05	.02	.22						.25					1.02	.07		T.		9.86
Unity Reservoir‡‡	Youghiogheny	.06	1.47	1.45	.08			1.33			.60						.47					.46						.20	.05				6.17
Vandergrift‡	Conemaugh	3.73	.78				.88	.30	.92			.03		.13	.05	.44						T.						.09			T		7.35
Warren	Allegheny			.12			.05	.06			.35	.30					.10					.26						.52				.03	1.79
Waynesburg	Monongahela		.36	1.31	.69			1.60			.73	.04			.15	.02	.06											1.12	.18				6.26
Westford‖‖	Beaver	.10	1.10	.10			.81	.04			.10			.13		1.20	.04					.07						.20			.14		4.03
West Newton‖‖	Youghiogheny		.55	1.21	.38	.06		.70				.14		T.		.37							T.					.14	.04				3.59
Lake Drainage.																																	
Erie***	Lake Erie		.12	T.			.33	.10	T		.24		.14	.01		.01						.17					T.	.35			.44	.11	2.02

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity *	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.00	30.31	24	29.68	1	11.2	31	w.	1	78	71	72	63
Harrisburg	30.00	30.26	18	29.64	1	6.5	19	ne.	15	77	55	62	61
Philadelphia	30.03	30.29	18	29.67	1	10.0	34	n.	1	75	55	66	60
Pittsburgh	30.02	30.24	24	29.74	1	8.7	42	s.	15	81	58	70	69
Reading	30.02	30.29	18	29.64	1	9.0	39	n.	1	76	58	66	53
Scranton	30.03	30.29	19	29.69	1	5.2	29	nw	13	78	53	65	61

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.2	2.9	1	1.4	26	18
Phillipsburg	Delaware	1.6	2.9	3	1.0	28	22
Lehighton	Lehigh	2.8	3.4	2	2.4	28	17
Wilkes-Barre	Susquehanna	3.2	6.4	13	1.9	31	20
Williamsport	Susquehanna	1.7	3.2	12	0.7	30	20
Harrisburg	Susquehanna	3.8	4.4	15	3.3	30	17
Greensboro	Monongahela	13.2	27.2	8	10.6	26	30
West Newton	Youghiogheny	2.1	11.5	4	1.0	1	20
Lock No. 4	Monongahela	13.8	25.0	8	10.9	26	30
Pittsburgh	Ohio		18.2*	4	9.8*	28	25
Beaver Dam	Ohio		24.4*	4	9.0*	28	30

* —Pool stage.

Daily Temperatures for August, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	94	89	78	86	82	80	68	77	83	81	80	87	91	86	86	85	90	82	85	80	85	79	80	76	76	85	75	80	74	67	74	81.3
	Minimum	62	66	65	64	68	60	63	63	59	59	61	63	64	70	68	66	66	63	65	68	69	70	62	53	48	53	60	66	48	54	50	61.8
Altoona	Maximum	89	82	85	86	81	78	66	63	73	76	82	85	86	81	81	86	81	78	80	78	78	81	76	74	77	83	78	72	71	73	69	78.4
	Minimum	64	65	69	69	62	55	62	61	60	60	64	58	65	66	62	68	67	56	60	67	65	67	48	47	40	50	62	57	42	49	46	59.1
Bedford	Maximum	91	87	88	87	86	84	75	66	74	86	88	90	94	92	87	88	86	84	87	84	84	85	78	78	79	86	82	74	70	73	70	82.7
	Minimum	68	63	68	68	63	57	64	64	62	65	59	64	65	69	66	63	70	57	63	69	66	69	54	52	43	48	62	59	42	52	45	60.6
Bellefonte	Maximum	89	86	83	86	81	79	65	68	75	76	84	87	88	79	83	87	85	82	84	82	83	80	76	73	76	83	80	73	72	71	68	79.5
	Minimum	54	62	67	66	61	57	62	60	66	70	72	80	66	65	58	67	70	55	75	61	62	60	44	41	41	48	60	62	39	46	39	59.2
Brookville	Maximum	85	91	84	74	88	81	81	70	75	83	78	86	91	87	85	86	85	82	84	85	82	77	83	79	78	78	80	88	79	71	70	81.5
	Minimum	64	53	67	64	52	50	62	62	50	55	63	53	61	61	57	64	58	52	53	56	60	39	58	42	34	46	43	52	50	37	45	53.6
Butler	Maximum	93	80	84	88	82	77	73	74	81	90	90	92	88	88	87	86	83	85	87	87	84	80	76	75	83	81	80	79	72	68	69	82.0
	Minimum	61	65	66	60	59	56	67	63	57	69	60	54	56	63	64	65	67	60	57	67	64	57	49	47	48	55	64	53	41	51	44	58.4
Carlisle	Maximum	97	95	92	94	94	94	88	77	74	80	88	94	95	91	93	91	92	90	90	85	92	90	85	84	95	91	93	91	90	78	76	89.0
	Minimum	67	70	70	70	70	70	56	63	65	63	69	60	67	71	67	70	67	67	60	68	68	71	55	52	67	70	67	70	46	50	47	64.3
Catawissa	Maximum	92	90	92	90	85	83	80	76	87	85	87	....	93	83	87	91	94	90	92	86	88	86	82	78	77	88	83	79	76	75	76	85.0[a]
	Minimum	57	68	64	61	58	60	62	61	58	62	60	....	67	62	68	69	67	62	62	63	65	67	49	47	41	53	63	65	43	56	48	59.6[a]
Chambersburg	Maximum	97	92	92	90	87	84	76	67	80	82	85	92	95	86	88	84	89	84	89	81	87	86	80	80	82	90	83	80	73	75	73	84.2
	Minimum	73	68	71	72	72	58	63	63	63	65	66	60	70	71	69	69	67	60	67	68	69	67	56	54	44	50	63	66	46	55	50	63.1
Chambersville	Maximum	92	85	90	90	85	82	75	71	79	85	85	90	90	82	87	88	86	83	86	85	85	80	81	75	79	86	80	74	74	73	71	82.3
	Minimum	64	65	66	68	57	54	63	62	60	60	63	57	67	64	63	66	64	58	61	61	62	61	49	42	40	46	63	53	38	48	42	57.6
Claysville	Maximum	92	91	92	90	90	88	80	86	86	86	88	93	94	85	91	84	88	87	88	87	88	83	79	80	87	86	82	73	75	72	70	85.2
	Minimum	69	68	68	66	59	61	66	63	63	64	61	60	74	66	66	67	70	64	64	64	67	59	53	45	45	52	66	52	42	50	42	60.5
Clearfield	Maximum	89	81	86	88	83	86	82	86	82	88	87	84	83	85	89	86	88	83	85	82	78	83	76	78	77	83	80	75	73	68	68	82.0
	Minimum	56	62	64	60	55	71	63	69	69	70	69	67	69	70	58	66	62	62	58	66	65	67	46	44	40	47	59	57	42	48	40	59.4
Coatesville	Maximum	94	91	88	88	84	83	70	81	85	86	83	90	96	92	88	90	88	87	87	79	86	85	78	76	77	87	78	84	77	70	75	84.0
	Minimum	67	70	70	72	69	62	62	62	58	57	62	61	68	68	70	66	68	62	67	66	70	68	58	57	48	54	65	64	49	56	49	62.7
Corry	Maximum	89	85	86	85	82	75	71	70	85	78	87	90	87	83	87	90	89	85	88	87	83	75	77	82	83	86	80	70	72	69	73	81.1
	Minimum	71	70	68	69	54	54	62	62	57	61	63	62	67	59	55	62	64	60	60	63	65	53	43	38	45	50	60	47	42	44	45	57.3
Emporium	Maximum	88	84	81	86	80	78	68	66	75	75	83	86	85	79	81	85	84	82	81	80	79	74	74	72	72	81	75	70	69	66	63	77.5
	Minimum	57	59	70	65	58	56	65	62	61	59	65	62	68	65	57	65	65	60	58	63	70	64	48	45	40	53	60	55	45	50	53	59.1
Erie	Maximum	88	80	77	84	78	74	76	75	78	74	85	93	79	81	84	88	91	87	88	87	83	70	75	69	76	81	80	68	66	59	67	78.7
	Minimum	71	70	68	67	69	65	68	67	63	68	68	71	69	66	67	71	73	68	67	71	69	61	57	56	53	64	66	58	54	53	51	64.8
Franklin	Maximum	94	81	88	91	84	73	79	79	89	79	91	92	90	91	95	92	91	93	90	89	86	82	79	82	68	89	77	75	77	74	71	84.2
	Minimum	59	69	67	65	57	66	65	63	59	61	63	59	68	63	60	64	65	56	50	60	65	55	42	39	36	56	55	53	44	48	46	57.4
Freeland	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Gettysburg	Maximum	95	91	93	90	88	87	78	72	79	81	85	91	96	89	92	88	90	85	90	81	89	83	80	79	82	89	78	82	74	76	75	84.8
	Minimum	71	72	70	72	70	60	63	69	65	65	66	61	70	70	70	69	69	64	68	68	70	71	58	56	50	51	68	65	48	56	50	64.4
Greensburg	Maximum	90	87	80	82	82	80	74	80	74	85	71	82	86	82	82	80	87	85	88	83	86	80	75	78	80	82	82	73	72	69	64	80.0
	Minimum	64	65	68	62	61	59	67	66	63	62	64	60	73	66	65	68	70	65	66	61	67	62	53	48	47	53	65	56	45	51	42	60.8
Grove City	Maximum	88	82	80	85	84	80	70	72	81	79	85	90	88	86	85	85	84	81	84	83	83	79	76	78	80	82	77	69	71	67	66	80.0
	Minimum	65	67	66	68	60	59	65	63	59	60	63	64	69	63	64	64	69	63	63	64	65	56	48	51	49	55	62	51	44	50	45	59.8
Hamburg	Maximum	92	92	86	89	90	88	80	84	83	87	82	89	97	86	87	88	89	90	86	84	84	82	82	80	81	80	84	86	82	74	80	85.2
	Minimum	59	60	58	58	56	56	55	54	58	56	61	60	65	68	64	65	67	61	64	65	68	67	59	56	57	56	52	64	43	50	54	59.2
Harrisburg	Maximum	94	89	88	88	85	82	68	73	79	79	84	91	90	83	86	87	87	86	86	80	83	82	77	76	78	85	76	78	70	74	72	81.8
	Minimum	68	73	71	74	73	65	64	62	64	67	67	66	72	73	67	71	72	68	70	70	71	66	59	60	53	57	68	64	53	57	54	65.8
Hawley	Maximum	85	82	80	88	78	80	69	75	86	80	80	88	93	81	84	86	89	85	....	81	85	81	78	76	76	85	78	81	71	67	71	80.6[a]
	Minimum	52	58	59	58	58	50	55	57	52	51	57	59	64	61	53	61	62	57	55	50	64	64	47	44	39	52	54	62	39	48	46	54.5
Huntingdon	Maximum	92	86	87	90	84	80	67	67	78	81	85	91	91	81	85	86	87	83	85	82	84	84	78	77	77	86	83	75	73	74	72	81.6
	Minimum	63	67	67	69	68	54	53	63	62	66	65	60	66	67	65	70	66	59	62	64	68	70	53	47	44	49	49	52	42	50	42	59.4
Johnstown	Maximum	90	88	86	89	86	85	74	69	76	86	85	93	94	84	88	89	87	84	87	82	88	86	83	82	83	88	83	74	72	73	73	83.5
	Minimum	78	68	68	69	68	57	64	64	64	60	64	59	65	68	65	70	66	58	62	64	65	68	55	48	45	49	64	59	44	52	51	61.3
Lancaster	Maximum	96	92	88	92	93	85	79	75	84	84	82	87	93	91	95	90	88	87	83	81	83	81	81	81	78	90	83	84	79	72	74	84.9
	Minimum	65	74	69	69	66	57	63	62	59	58	63	60	61	66	64	67	68	61	66	63	69	68	55	51	44	51	64	64	45	55	48	61.1
Lawrenceville	Maximum	91	78	79	90	86	84	78	71	82	78	86	90	91	84	81	91	89	88	86	86	82	79	78	73	77	85	79	73	73	66	70	81.4
	Minimum	56	61	60	60	58	53	60	60	55	55	62	61	67	64	56	61	64	61	58	61	66	60	48	44	41	55	59	54	43	50	40	56.5
Lebanon	Maximum	96	91	86	90	85	84	68	75	79	79	84	91	90	84	87	90	90	85	85	81	84	83	80	77	80	88	80	81	73	73	74	83.0
	Minimum	64	72	71	70	67	59	63	62	61	63	65	63	69	69	70	70	70	65	67	66	70	69	56	53	44	54	62	65	45	52	51	62.8
Marcus Hook	Maximum	93	96	92	89	85	81	78	84	84	83	93	95	96	93	88	86	87	84	82	86	89	87	80	79	85	85	83	84	77	79	78	85.8
	Minimum	74	74	74	74	66	65	62	63	63	67	70	71	75	71	70	71	81	70	70	72	72	64	61	56	62	71	71	58	60	55	57	67.6
Meadville	Maximum	94	93	82	88	87	80	75	77	84	84	86	93	92	85	89	92	90	89	90	89	85	77	78	79	78	85	84	73	67	66	66	83.1
	Minimum	63	69	68	64	58	59	66	65	63	64	66	66	70	62	59	62	70	62	63	66	69	55	46	46	45	54	64	50	45	48	45	59.7
Mount Pocono	Maximum	80	74	75	76	72	75	64	74	73	72	76	91	80	81	80	82	81	84	78	80	78	78	75	70	71	76	78	70	68	70	72	75.9
	Minimum	58	54	58	56	50	52	50	50	54	52	54	65	62	61	60	66	63	60	58	56	62	63	60	50	39	46	50	52	41	40	44	54.4
Muncy Valley	Maximum	88	83	80	79	81	82	72	72	79	70	84	86	88	80	84	88	87	....	84	82	82	78	75	72	76	83	79	75	73	68	71	79.4[a]
	Minimum	52	61	61	59	56	50	59	59	55	55	66	57	66	65	55	63	63	....	58	63	65	64	46	44	38	52	58	58	40	47	40	55.8[a]
Philadelphia	Maximum	91	90	86	88	84	79	70	78	84	83	83	89	93	92	89	87	87	83	84	78	85	87	82	79	78	83	78	83	77	68	74	83.0
	Minimum	73	73	72	74	72	67	65	66	66	66	66	69	71	73	71	71	71	68	70	71	71	73	68	61	56	61	69	66	59	61	57	67.6
Pittsburgh	Maximum	90	85	89	86	83	84	72	80	81	84	84	91	90	77	87	86	84	82	85	85	86	77	75	75	80	84	78	69	71	68	67	81.1
	Minimum	71	68	69	69	64	65	67	65	64	65	63	65	71	67	64	68	70	67	66	66	68	60	55	56	53	59	66	56	52	52	46	63.1
Quakertown	Maximum	92	87	83	85	82	78	73	76	83	81	78	86	90	87	87	83	86	83	83	82	85	84	77	74	75	83	78	80	75	67	71	81.1
	Minimum	57	68	64	69	64	59	61	61	55	54	62	59	66	62	66	64	65	58	62	66	69	68	59	52	44	52	63	63	43	55	48	59.9
Reading	Maximum	92	88	83	88	81	80	66	75	82	80	83	88	94	86	87	84	86	84	84	78	84	81	78	75	75	85	74	79	72	68	72	81.0
	Minimum	68	71	68	70	69	65	63	63	62	64	63	67	73	71	70	68	70	66	68	69	71	64	59	58	53	61	69	60	54	57	53	64.7
Ridgway	Maximum	87	78	83	85	80	79	66	68	77	76	85	88	70	68	70	70	86	84	89	84	81	89	75	73	78	83	76	70	71	68	64	77.5
	Minimum	52	64	68	62	53	51	60	63	60	55	64	54	64	59	55	62	60	54	58	60	64	60	46	42	36	47	59	52	39	45	42	55.2
Scranton	Maximum	88	82	79	86	78	80	67	73	84	79	83	89	92	81	87	89	90	86	84	84	84	77	76	72	74	84	79	78	73	69	69	80.5
	Minimum	60	66	63	66	64	61	62	63	57	58	62	62	69	66	59	66	67	63	64	72	71	59	54	53	48	59	64	57	49	55	53	61.0
Selinsgrove	Maximum	92	90	88	89	87	81	76	71	79	78	85	88	89	81	86	90	89	85	85	83	83	83	79	77	79	86	82	80	73	73	75	82.6
	Minimum	60	70	66	70	67	65	56	61	61	63	65	62	70	68	62	67	67	62	65	66	61	65	51	48	42	62	65	65	42	53	47	61.1
Shippensburg	Maximum	92	88	89	88	88	83	68	68	76	80	84	88	93	92	86	85	88	87	87	84	83	84	79	77	78	86	79	77	70	74	71	82.3
	Minimum	73	68	70	72	70	59	61	60	62	65	65	61	68	70	68	68	66	59	67	67	68	69	55	51	46	51	67	62	46	55	49	62.5
Somerset	Maximum	85	82	82	81	79	83	70	68	71	81	80	87	88	83	81	81	80	80	79	78	85	77	73	74	78	80	74	67	67	66	65	77.6
	Minimum	68	63	65	65	59	52	63	61	61	55	60	49	62	65	61	60	60	49	57	64	64	64	48	37	36	40	61	53	35	48	36	55.5
State College	Maximum	89	85	83	87	81	79	66	66	75	78	84	87	88	84	82	85	84	81	83	81	80	80	76	74	76	81	79	73	74	69	69	79.3
	Minimum	62	65	68	67	64	56	62	60	59	63	63	60	68	65	60	63	65	58	64	65	66	66	49	47	42	52	59	60	44	48	43	59.1
Stroudsburg	Maximum	91	87	86	88	82	80	75	78	83	85	78	86	89	84	86	87	89	86	86	83	85	83	77	85	75	87	74	81	74	69	73	82.2
	Minimum	57	62	60	68	65	57	62	62	55	56	58	60	63	68	61	61	64	60	62	62	69	68	58	50	48	53	58	56	43	47	45	58.6
Towanda	Maximum	91	80	79	89	80	81	70	73	82	79	85	89	92	82	85	89	87	87	86	88	85	77	77	72	76	86	81	75	75	72	70	81.3
	Minimum	54	64	59	59	58	54	60	61	55	56	63	59	68	65	57	64	64	60	60	68	61	59	49	46	41	54	58	57	41	50	46	57.1
Uniontown	Maximum	96	86	89	84	85	86	76	82	82	84	82	90	91	83	90	88	86	84	85	84	87	79	76	77	81	84	80	72	68	70	69	82.3
	Minimum	71	68	69	69	62	62	68	67	68	66	65	60	73	69	72	70	73	70	70	70	67	66	56	51	50	54	67	57	45	54	50	63.8
Vandergrift	Maximum	96	83	88	86	87	85	75	77	81	79	68	93	92	85	91	87	84	85	87	86	88	81	80	79	83	87	81	74	75	74	70	82.8
	Minimum	66	68	69	70	60	59	66	63	62	63	65	60	72	68	67	69	68	60	60	64	66	61	54	41	47	52	65	50	46	52	47	60.6
Warren	Maximum	85	82	80	81	80	75	74	69	74	75	83	79	84	78	89	90	86	85	82	82	81	78	71	72	72	82	78	77	65	66	67	78.1
	Minimum	61	66	70	65	62	58	66	64	62	69	61	62	70	64	60	70	66	65	62	64	68	61	50	51	42	55	66	52	49	52	55	60.9
Waynesburg	Maximum	89	87	90	86	85	87	82	89	87	85	85	90	89	83	92	83	89	88	88	90	88	82	79	81	83	85	81	72	71	71	69	84.1
	Minimum	70	70	69	66	61	62	66	62	65	65	62	59	73	67	66	67	70	63	61	63	66	63	54	47	46	52	67	55	44	52	44	61.2
Wellsboro	Maximum	89	80	78	89	80	79	66	67	81	74	88	88	89	87	82	86	88	85	84	84	80	75	76	72	75	85	80	70	70	65	68	79.4
	Minimum	50	60	58	61	55	49	58	56	53	62	56	56	64	62	53	58	65	67	54	58	65	54	44	38	36	53	57	52	39	46	35	54.0
Williamsport	Maximum	93	88	81	90	84	81	75	71	80	75	88	89	91	84	84	89	88	85	85	85	85	82	79	76	79	88	83	78	76	72	74	82.5
	Minimum	57	57	65	65	64	58	61	61	60	63	65	63	70	68	60	67	68	62	67	69	71	69	51	49	45	55	63	63	46	53	45	60.6
Williamstown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
York	Maximum	98	94	91	91	90	85	78	76	83	83	87	93	95	90	90	92	90	88	88	83	86	83	82	79	81	90	87	83	77	75	76	85.9
	Minimum	67	71	69	70	65	56	64	64	63	62	66	60	69	68	67	70	70	63	67	68	69	67	56	48	40	50	68	65	44	57	48	62.3

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XL. SEPTEMBER, 1935. No. 9.

GENERAL SUMMARY.

Temperatures for September averaged on the cool side of the normal, due chiefly to a constant deficiency during the first ten days. After this cool period the conditions were variable with no large departures until the month closed about ten degrees below the normal. At that time frosts occurred in nearly all parts of the State, but did little damage excepting a few western counties. The rainfall was a little more than the September average, due chiefly to excessive rains in a few southeastern counties. Rains for the southeastern portion of the State nearly all occurred during the first week. Elsewhere about half of the month's rain occurred in the first week, while the remainder was fairly well distributed through the rest of the month. The heavy southeastern rains were due to the passage of a tropical storm up along the coast. Conditions were favorable for field work after the first week, and corn cutting and shocking was generally getting in full swing by the middle of the month. Silo filling continued, but was nearing completion by the end of the month. The seeding of winter wheat and rye began generally about the middle of the month, and was well advanced at its close. An unusually large and fine crop of tomatoes was nearly ruined in the southeastern counties by the heavy rains of the first week, and they were very scarce on the market for a time. They made a partial recovery by the middle of the month, and began coming to market again in fair supply. The rains benefited most other truck crops, and especially the celery. Potato digging was in progress throughout the month, and in many regions the yields were disappointing. Large and promising tops yielded small potatoes, and few in numbers. Pastures and meadows were greatly stimulated by the rains of the first week, and were mostly good for about two weeks thereafter, but began to show a general need of moisture near the end of the month. The gathering and marketing of late varieties of apples began during the last week, and a good crop was reported in nearly all parts of the State. Peaches were badly damaged in the southeastern counties by the heavy rains, previously mentioned, but the greater portion of the peach crop this season was in the south-central and southwestern counties, where satisfactory yields were reported. Buckwheat harvest began about the middle of the month, and it seemed to be about an average crop,

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 88 stations, was 62.2°, a deficiency of 1.9° as compared with the September normal. The highest monthly mean was 68.0°, at Marcus Hook, and the lowest was 51.7° at Gouldsboro. Extremes for the month ranged from a maximum of 95° at Donora on the 17th, to a minimum of 24° at Wellsboro on the 30th. The greatest daily range in temperature was 51° at Claysville on the 24th.

PRECIPITATION.

The average precipitation for the State, as determined by the reports from 139 well-distributed stations, was 3.51 inches, which is an excess 0.05 inch compared with the September normal. The greatest monthly amount was 9.41 inches at Marcus Hook, while the least, 1.34 inches, was recorded at Wellsboro and Bellefonte. The greatest amount recorded in any 24 consecutive hours was 4.32 inches at Philadelphia-Navy Yard on the 5-6th. A trace of snow was reported at Grove City on the 29th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888........	59.6	−4.5	84	29	4.84	+1.38	10.93	1.75	......	10	8	11	11
1889........	61.9	−2.2	92	30	5.05	+1.59	10.01	2.71	......	13	8	8	14
1890........	62.2	−1.9	91	25	4.57	+1.11	8.54	2.05	......	11	10	9	11
1891........	66.6	+2.5	94	32	2.39	−1.07	5.00	1.05	......	7	17	8	5
1892........	62.4	−1.7	90	29	2.81	−0.65	4.85	1.18	......	7	16	7	7
1893........	61.2	−2.9	90	26	2.67	−0.79	5.59	0.72	......	8	9	12	9
1894........	66.6	+2.5	95	24	6.30	+2.84	12.36	2.82	......	10	10	10	10
1895........	67.8	+3.7	100	24	1.71	−1.75	5.41	0.37	......	6	16	9	5
1896........	63.6	−0.5	98	26	4.82	+1.36	8.57	1.73	......	10	13	8	9
1897........	63.8	−0.3	100	24	2.18	−1.28	4.21	0.25	......	5	18	7	5
1898........	66.0	+1.9	100	25	1.70	−1.76	3.95	0.38	......	6	16	8	6
1899........	61.8	−2.3	93	23	4.70	+1.24	9.31	2.03	......	10	12	9	9
1900........	68.4	+4.3	100	27	1.77	−1.69	6.90	0.48	......	6	13	10	7
1901........	63.6	−0.5	95	29	3.39	−0.07	6.61	1.64	......	9	14	7	9
1902........	62.7	−1.4	99	28	4.66	+1.20	11.95	1.50	......	11	12	8	10
1903........	63.2	−0.9	94	27	2.09	−1.37	3.88	0.91	......	6	17	8	5
1904........	63.7	−0.4	95	21	3.37	−0.09	7.40	0.82	......	9	13	10	7
1905........	64.0	−0.1	95	27	3.41	−0.05	7.30	1.70	.....	7	15	9	6
1906........	67.0	+2.9	99	30	2.46	−1.00	6.57	0.36	......	7	15	9	6
1907........	64.8	+0.7	95	29	6.37	+2.91	11.86	2.18	......	14	8	10	12
1908........	65.6	+1.5	99	26	1.60	−1.86	4.06	0.51	......	3	17	9	4
1909........	62.8	−1.3	96	26	2.27	−1.19	4.90	0.64	......	6	15	9	6
1910........	65.5	+1.4	95	32	4.49	+1.03	8.45	2.26	......	10	13	8	9
1911........	64.9	+0.8	92	26	5.29	+1.83	10.18	1.85	......	10	13	9	8
1912........	65.5	+1.4	95	25	5.57	+1.11	11.43	2.47	.....	12	12	7	11
1913........	62.4	−1.7	97	24	3.28	−0.18	8.43	1.24	......	8	13	7	10
1914........	61.5	−2.6	98	21	0.99	−2.47	2.67	0.03	......	5	18	7	5
1915........	66.5	+2.4	96	25	2.56	−0.90	6.96	0.45	......	8	16	9	5
1916........	62.5	−1.6	98	23	3.77	+0.31	8.18	0.91	......	8	17	8	5
1917........	59.0	−5.1	91	25	2.31	−1.15	6.34	0.00	......	6	16	9	5
1918........	58.7	−5.4	88	28	3.97	+0.51	7.52	1.82	......	10	12	8	10
1919........	64.4	+0.3	96	28	2.07	−1.39	4.57	0.46	......	8	16	8	6
1920........	64.5	+0.4	91	24	3.99	+0.53	9.40	0.97	......	9	16	8	6
1921........	68.9	+4.8	98	31	4.68	+1.22	11.48	1.47	......	11	13	9	8
1922........	66.3	+2.2	100	22	1.48	−1.98	3.73	0.17	......	4	19	7	4
1923........	64.8	+0.7	92	22	3.55	+0.09	8.68	1.54	......	10	13	10	7
1924........	59.8	−4.3	99	26	6.44	+2.98	11.72	3.46	......	11	11	7	12
1925........	67.5	+3.4	99	24	2.80	−0.66	7.63	0.86	......	8	11	12	7
1926........	64.2	+0.1	99	26	5.81	+2.35	13.90	2.23	......	12	11	7	12
1927........	64.9	+0.8	97	27	2.08	−1.38	7.00	0.20	......	6	18	7	5
1928.......	60.4	−3.7	94	25	2.33	−1.13	5.73	0.71	......	9	12	9	9
1929........	65.7	+1.6	101	24	3.71	+0.25	8.72	1.05	......	9	14	8	8
1930........	67.8	+3.7	101	27	2.45	−1.01	7.01	0.64	......	9	15	10	5
1931........	69.1	+5.0	104	29	3.15	−0.31	6.65	0.74	......	9	16	8	6
1932........	65.2	+1.1	105	23	1.45	−2.01	3.43	0.48	......	6	16	9	5
1933........	66.3	+2.2	98	32	4.66	+1.20	11.67	2.23	......	12	13	8	9
1934........	66.4	+2.3	94	31	6.58	+3.12	15.13	2.41	......	12	12	8	10
1935........	62.2	−1.9	95	24	3.51	+0.05	9.41	1.34	.....	8	15	7	8
Period.....	64.1	....	105	21	3.46	....	15.13	0.00	......	9	14	9	7

W. B. O. Philadelphia-10-28-35-1050.

Climatological Data for September, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	61.4	−4.2	84	12	38	24	38	5.13	+1.78	3.05	0	10	19	1	10	ne.	John A. Frick.
Altoona	Blair	1,615	48	60.8	−2.3	80	12†	31	30	36	2.59	−0.28	1.24	0	9	18	6	6	w.	John J. Martin.
Ardmore	Montgomery	350	3	64.6	−2.7	84	21	38	30	30	7.06	+3.11	3.20	0	6	12	6	12	.....	H. L. Balderston.
Arendtsville	Adams	700	13	61.8	−4.6	85	21	31	30	38	4.03	+0.39	1.47	0	8	19	3	8	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	62.2	....	83	19	29	30	36	3.26	....	1.10	0	8	21	1	8	nw.	Charles C. Lee.
Bellefonte	Center	1,050	27	59.7	−5.2	83	19	32	30	40	1.34	−1.77	0.61	0	6	6	13	11	s.	U. S. Airway Radio Sta.
Bethlehem	Northampton	364	50	63.9	−2.8	84	12†	38	24	34	4.44	+1.10	2.88	0	10	18	3	9	sw.	Lehigh University.
Carlisle	Cumberland	467	69	63.9	−1.3	85	21	37	24†	37	3.01	−0.47	1.03	0	8	19	1	10	s.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	63.1	−0.9	88	13	31	30	40	3.07	−0.35	1.15	0	9	21	2	7		W. L. Gearhart.
Center Hall	Center	1,272	39	62.8[b]	+0.6	83	6†	38[c]	24	38[c]	2.06	−1.01	1.32	0	6	19	3	8	.....	Edward E. Bailey.
Chambersburg	Franklin	580	36	64.2	−1.9	86	21	35	30	36	4.17	+1.25	1.32	0	9	12	10	8	sw.	William B. Spear.
Clearfield	Clearfield	1,120	28	60.4	−3.5	85	19	28	30	43	3.37	−0.11	1.27	0	8	17	8	5	w.	E. W. Hess.
Coatesville	Chester	380	48	63.4	−2.8	86	21	35	30	35	5.56	+1.72	2.30	0	8	7	9	14	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	60.6	−3.6	82	21	30	30	35	2.98	−0.59	0.95	0	12	20	2	8	n.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	59.9	−1.5	80	18†	30	30	34	3.63	+0.14	1.75	0	8	9	14	7	sw.	T. B. Lloyd.
Ephrata	Lancaster	380	43	64.6	−1.2	87	21	36	30	38	3.36	−0.11	1.63	0	7	13	8	9	n.	Ira J. Keath.
Freeland	Luzerne	1,970	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Vacant.
George School	Bucks	190	29	64.5	−1.5	84	21†	36	30	35	5.11	+1.84	1.61	0	9	19	2	9	s.	Prof. N. W. Swayne
Gettysburg	Adams	553	62	64.6	−1.0	87	21	34	30	34	3.65	+0.21	1.27	0	9	17	6	7	s.	Dr Henry Stewart
Gordon	Schuylkill	840	31	60.7	−1.6	82	12†	29	30	40	2.86	−1.37	1.04	0	12	22	1	7	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	51.7	−6.0	68	8†	29	24†	29	3.25	−0.39	0.92	0	10	18	3	9	w.	Ronald H. Marsball.
Hamburg	Berks	535	42	64.4	−0.9	94	9	37	30	42	2.53	−1.52	1.53	0	8	10	12	8	nw.	State Sanatorium.
Hanover	York	600	31	65.2	−2.4	86	21	36	30	31	3.65	+0.57	1.37	0	10	19	3	8	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	63.8	−2.0	84	21	41	30	30	3.32	+0.27	1.21	0	9	12	8	10	n.	U. S. Weather Bureau.
Hawley	Wayne	900	17	57.2	−4.5	81	25	30	24	43	2.91	−0.45	0.98	0	11	21	3	6	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	66.0	−3.0	84	21	43	30	28	3.91	+1.40	1.99	0	10	16	5	9	.....	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	62.3	−2.6	84	21†	32	30	38	2.28	−1.03	0.88	0	8	13	10	7	e.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	63.0	−2.4	88	19	28	30	43	4.24	+1.27	1.25	0	9	18	5	7	.....	Glenn R. Sbaffer.
Kyiertown	Clearfield	1,637	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Weather Bureau.
Lancaster	Lancaster	255	48	62.7	−2.8	82	12†	34	30	38	3.99	+0.63	2.00	0	7	16	7	7	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	59.6	−1.9	85	25	28	30	39	3.30	+0.29	0.83	0	8	12	10	8	.....	C. P. Darling.
Lebanon	Lebanon	469	51	63.2	−2.4	86	21	33	30	41	3.22	−0.11	1.52	0	9	19	6	5	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	63.8	−1.0	84	8†	31	30	37	2.46	−0.95	0.98	0	8	12	13	5	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	68.0	....	84	20†	42	29	30	9.41	....	.....	0	7	21	3	6	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	61.1	−3.1	88	12	31	24	44	3.11	−0.89	1.64	0	8	15	6	9	w.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	29	57.1	−1.3	81	12	25	30	36	4.65	−0.31	2.10	0	10	15	6	9	sw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	23	58.1	−3.4	82	12	26	30	40	2.90	−0.95	0.82	0	9	21	3	6	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	62.9	−2.5	83	15†	37	24	34	6.47	+3.07	2.43	0	8	14	2	14	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	60.6	....	81	12	35	24	36	4.05	+0.58	2.06	0	9	15	8	7	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	66.0	−2.0	83	21	43	30	24	8.36	+5.22	3.84	0	6	12	6	12	sw.	U. S. Weather Bureau.
Phila. Navy Yard	Philadelphia	12	19	65.9	−2 3	84	15†	41	30	29	8.13	+4.98	4.32	0	7	10	8	12	sw.	Commandant, Navy Yard.
Phila-Point Breeze	Philadelphia	90	9	66.0	....	86	21	40	30	29	8.49	....	2.61	0	7	11	9	10	sw.	Atlantic Refining Co.
Phœnixville	Chester	100	25	65.6	−0.8	88	21	35	30	40	6.82	+3.57	3.48	0	9	14	9	7	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	50	60.6	−3.4	80	9†	33	24	36	4.82	+1.19	3.05	0	9	16	7	7	w.	John E. Benner.
Reading	Berks	514	65	63.8	−2.5	83	21	40	30	29	3.09	−0.12	1.53	0	7	13	7	10	sw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	60.1	....	81	12†	34	30	36	3.37	....	1.26	0	12	18	5	7	nw.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	60.2	−2.7	81	25	37	24	34	3.52	+0.35	1.11	0	13	7	15	8	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	62.2	−2.6	83	21	34	30	35	2.77	−0.75	1.10	0	10	15	7	8	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	65.3	−2.8	81	21†	39	30	28	6.70	+3.42	2.25	0	7	12	10	8	s	W. S. Guiles.
Shippensburg	Cumberland	660	2	62.8	....	84	21	36	30	34	3.44	....	1.21	0	9	15	6	9	w.	State Teachers College
State College	Center	1,217	51	60.8	−1.8	81	25	34	30	39	2.40	−0.66	0.88	0	9	18	6	6	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	60.2	−2.2	81	9	32	27	44	6.48	+3.59	4.00	0	6	21	0	9	s.	State Normal School.
Towanda	Bradford	754	41	59.2	−3.1	84	25	32	30	40	2.30	−0.85	0.43	0	14	10	9	11	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	56.2	−3.5	80	19†	24	30	42	1.34	−1.82	0.48	0	5	21	4	5	nw.	George W. Hill.
West Chester	Chester	455	86	63.6	−1.9	82	21	38	30	27	7.91	+4.02	3.00	0	10	19	4	7	w.	Joseph W. Belt.
Williamsport	Lycoming	521	49	62.0[b]	−2.4	85	12	33[c]	30	35	2.31	−0.96	0.83	0	9	15	8	7	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	63.6	−0.8	82	8	34	30	43	3.27	−1.03	1.83	0	8	16	8	6	sw.	Susquehanna Collieries Co.
York	York	400	47	63.9	−2.3	88	21	33	30	39	2.75	−0.56	1.32	0	7	21	1	8	s.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	64.2	−2.0	88	18†	34	30	38	2.27	−0.79	0.88	0	9	15	8	7	sw	U. S. Engineer.
Brookville	Jefferson	1,173	45	57.8	−2.3	86	19	27	30	40	3.15	−0.18	1.10	0	8	14	8	8	.....	Frank S. Fawcett.
Butler	Butler	1,077	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	William C. Faust.
Chambersville	Indiana	1,047	5	61.6	−3.2	90	19	26	30	43	4.51	+0.66	1.75	0	9	17	3	10	w.	John E. Lewis.
Clairton	Allegheny	1,020	3	62.5	....	91	18	32	30	40	2.17	....	1.19	0	8	12	9	9	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	64.1	−1.6	89	18†	27	30	51	2.45	−0.76	0.89	0	6	22	2	6	w.	J. L. Melvin.
Corry	Erie	1,430	22	59.0	−1.3	89	18	27	30	46	4.33	+0.35	1.25	0	10	11	16	3	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	63.2	−2.2	87	25	33	30	43	2.71	−0.40	1.32	0	8	14	9	7	w.	Ted R. Wineman.
Donora	Washington	762	8	66.4	....	95	17	34	30	45	2.32	....	0.76	0	11	12	11	7	nw.	Donora Zinc Works.
Ebensburg	Cambria	2,000	18	60.7	0.0	84	18	30	30	36	2.25	−1.26	0.85	0	9	20	5	5	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	58.5	−1.6	85	19	36	23†	40	3.88	+0.84	1.20	0	7	21	3	6	w.	J. S. Stevanus.
Franklin	Venango	957	61	62.5	−0.1	90	18	30	30	49	1.78	−1.80	0.62	0	4	11	4	15	s.	R. L. Walters.
Greensburg	Westmoreland	1,150	26	62.2	−3.0	86	25	31	30	43	3.36	+0.15	1.95	0	8	14	11	5	sw.	Westmoreland Water Co.
Greenville	Mercer	950	39	61.7	−1.2	89	18†	29	30	46	2.16	−1.31	0.80	0	4	16	8	6	.....	Charles P. Clarke.
Grove City	Mercer	1,256	28	62.0	−1.0	85	18	31	30	37	2.77	−0.79	0.69	T.	9	15	6	9	s.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	11	64.2	−0.1	87	18	31	30	40	2.90	+0.18	1.38	0	8	23	4	3	.....	W. F. Gallagher.
Johnstown	Cambria	1,184	53	64.5	−1.1	89	18	33	30	43	2.84	−0.69	1.24	0	8	21	3	6	nw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	3	58.0	....	83	18	28	30	40	2.85	....	0.78	0	11	13	6	11	nw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	43	62.5	−3.4	84	18	32	30	31	2.56	−0.71	0.95	0	7	5	16	9	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	61.8	+0.1	88	18	33	30	44	2.72	−1.02	1.08	0	7	13	5	12	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	63.2	....	89	18	31	30	39	1.93	....	0.94	0	7	19	2	9	w.	Fred Hoffman.
New Castle	Lawrence	808	55	63.0	−1.2	91	19	31	30	39	3.98	+0.84	1.51	0	19	12	12	6	w.	New Castle Water Co.
Newell	Fayette	800	15	62.8	−4.4	80	18†	40	24	33	2.57	−0.08	.....	0	7	22	4	4	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	63.4	−3.0	87	18	36	30	33	1.96	−0.62	1.06	0	8	11	11	8	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	58.8	−1.4	86	18	27	30	46	2.68	−0.51	0.67	0	10	10	11	9	s.	West Penn. Power Co.
Sharon‡‡	Mercer	940	22	62.2	−1.9	93	18	33	30	42	1.79	−1.05	0.53	0	7	17	10	3	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	58.1	−2.8	82	18†	26	30	46	3.03	−0.61	0.78	0	8	12	9	9	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	64.4	−0.2	88	18	32	30	44	2.40	−0.86	0.76	0	7	18	7	5	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	63.1	−2.3	90	18†	31	30	41	2.34	−0.74	.....	0	9	21	7	2	.....	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	60.6	−1.3	78	19†	37	30	27	3 98	+0.26	1.00	0	9	18	7	5	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	63.9	....	88	18	29	30	48	2.60	....	1.03	0	6	15	8	7	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	62.4	−1.2	86	18	39	30	31	3.14	−0.25	1.02	0	9	13	8	9	nw.	U. S. Weather Bureau.
For the State		......	....	62.2	−1.9	95	17	24	30	51	3.51	+0.05	4.32	0	8	15	7	8	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; o Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for September, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
llentown‖	Lehigh		T.	.25	.92	3.05	.04	.04		.02	.59										.04		.01					T.	T.	.17	T.		5.13
ltoona	Juniata		.38	.12	1.24	T.				.15						.07			.20	.04	.36								.03				2.59
nsonia‖	W. Br. Susq			.02	.03	.16	.38			.28	.17					.13					.54	.08							.38	.03	T.		2.20
rdmore	Lower Del		.70	.33	3.20	1.50	1.05			.28																		T.	T.				7.06
rendtsville	Lower Susq		.69	.70	.57	1.47	.33			.05											.17								.05				4.03
aker's Summit	Juniata		.44	.28	2.13	.03				.27						.02				.22	.66	.13							.04				4.22
edford	Juniata		.60	.30	1.10	.27				.26	.04					T.					.58								.11				3.26
ellefonte	W. Br. Susq		.36	.05	.61					.09										.14									.09				1.34
ethlehem	Lehigh		.04	.60	2.88	.16	.02			.57	.03										.02	T.							.05	.07			4.44
loserville‡‡	Lower Susq		.50	.60	1.00					.60										.95	.22								.10				3.97
uffalo Mills‖	Juniata		.48	.50	.37	1.11					.36										.48									.08			3.38
arlisle	Lower Susq		.65	.57	1.03	.04	.22			.20										T.	.20								.10				3.01
atawissa‡	N. Br. Susq		.38	.32	1.15					.15						.03				.52		.08						.02	.42				3.07
enter Hall	Susquehanna		.22	.10	.24					.12						.06					1.32												2.06
hambersburg	Potomac		.94	.61	1.32	.09	.21			.02	.03										.86								.09				4.17
learfield	W. Br. Susq		.10	.76	1.27					.16						.05				.43	.44								.16				3.37
oatesville	Lower Del		.80	.63	2.30	.90	.65			.22					.02														.04				5.56
olebrook	Lower Susq		.72	.57	.95	.19	.02			.07	.02				.01						.11	.05							.24	.03			2.98
onshohocken	Schuylkill		.34	.45	1.97	2.88	2.51				.32																						8.47
oylestown	Lower Del		.34	.42	2.33	.67	.92			T.	.05																			.05			4.78
mporium	W. Br. Susq	T.	T.	T.	1.75					.35				T.		.11			.28	.28	.34	T.						.21	.31				3.63
phrata	Lower Susq		.74	.41	1.63	.23				.19					T.						.01								.15				3.36
orest City	N. Br. Susq		T.	.18	.70	1.43	.06				.32					.16					.33	.62		.04					.15	.25	.04		4.28
reeland‖	Lehigh																																......
aleton	W. Br. Susq		.03			.60				.28				.07	.03	.30				.09	.20	.13						.43	.02	.03	.06		2.27
eorge School	Lower Del		.34	.25	1.27	1.32	1.61			.13	.14																T.	T.	.02	.03	T.		5.11
ettysburg	Potomac	T.	1.04	.60	1.27	.05	.10			.03	.03										.37								.16				3.65
irardville‖	Lower Susq																																......
ordon	Lower Susq		.17	.24	1.04	.18	.29			.04						.06				.02	.34	.01							.41	.06			2.86
ouldsboro‡‡	Lehigh		.20	.71	.92		.07			.10				.15						.15		.17							.50	.28			3.25
raterford	Schuylkill		.41	.56	3.12	1.63	1.81																						.04	.12			7.69
amburg	Schuylkill		.05	.05	1.53	.44				.08										.03	.11								.24				2.53
anover	Lower Susq	T.	1.03	.61	1.37	.32	.06			.02	.03										.10								.02	.09			3.65
arrisburg***	Lower Susq		.59	.50	1.15	.11	.05			.12					T.	T.				.58	.07								.15				3.32
awley‖	Upper Del			.22	.43	.92	.06				.15				.14	.03				T.	.06	.50	T.						.16	.24			2.91
ollisterville	Upper Del		T.	.26	.53	.96	.05	.02		T.	.09				.50	.06					.31	.10							.09	.24	T.		3.21
oltwood‡‡	Lower Susq		.58	.10	.20	1.99	.60				.18					.02					.03		.16							.05			3.91
untingdon	Juniata		.35	.10	.88					.07						.06				.11	.65								.06				2.28
yndman	Potomac		1.03	.38	1.25	.12	.02			.03									.47		.90								.04				4.24
ylertown***	W. B. Susq																																......
akeville‖	Upper Del			.40	.52	1.18	.06				.19				.21	.03				.02	.10	.59	.01						.18	.23			3.72
ancaster	Lower Susq		.97	.43	2.00	.33				.18					T.						.01								.07				3.99
ansford‖	Lehigh		*	.31	.46	1.59	.03				.09									.23	.14								.16	.08			3.09
awrenceville	N. Br. Susq			T.	.55					.83						.12			.30	.40	.30	.50						T.	.30	T.			3.30
ebanon	Lower Susq		.30	.55	.44	1.52	.02			.10					T.				T.	.13								.06	.10				3.22
ehighton‖	Lehigh			.39	.81	1.87					.27									.29	.03									.13			3.79
ock Haven	W. Br. Susq		.20	.12	.68	.10				.07						.13					.98								.18				2.46
arcus Hook	Lower Del		*	*	*	*	8.50				.86																		.05				9.41
atamoras‖	Upper Del			.20	.29	.95					.58									.04		.40	.10						.08	.72			3.36
auch Chunk	Lehigh		.10	.50	1.64	.02				.43	.05										.15								.22				3.11
orris Run	N. Br. Susq		.10	.05	.44	.04				.30	.04				.14	.15				.02	.53	.12						.03	.30				2.26
ount Pocono	Upper Del		.90	2.10	.10	.24	.19								.30	.10						.21							.50	.01			4.65
uncy Valley	W. Br. Susq		.22	.19	.61	.35				.13				.22		.14					.82								.22				2.90
eshaminy ‖	Lower Del		.30	.34	2.43	1.12	1.80			.44	.02					T.					T.								.02				6.47
ew Park	Lower Susq		.50	.78	1.75	1.50				.20								.03											.25				5.04
ewport‖	Juniata		.12	.45	.40	1.25	.17				.20										.59		.10						.03	.10			3.41
almerton‡	Lehigh		.08	1.07	2.06	.04				.46				.06	T.	T.				.06	.01								.21				4.05
aupack‖	Upper Del			.25	.51	.86	.05				.16				.15	.10				.04	.05	.80							.10	.25			3.32
hiladelphia***	Lower Del		.36	.50	3.25	1.89	2.00			.36																		T.	T.				8.36
hila. Navy Yard ‖	....do		T.	.32	.43	2.83	4.32	.14			.03					T														.06			8.13
hila-P'nt Breeze.‡	Lower Del		.37	.61	2.58	2.61	1.92			.36	T.				T							.04							T.				8.49
hoenixville	Schuylkill		.64	.39	3.48	1.15	.87				.14												.11						.02	.02			6.82
ine Grove	Lower Susq		.10	.50	1.17	.02	.08			.26					.02					.95	.03								.08				3.21
leasant Mount	Upper Del		.20		1.93		.02			.67					.12			.07				.49								.54			4.04
ottstown	Schuylkill	T	.45	.60	1.30	.15				.20	.02				T					T.	T.	T.							.18				2.90
ottsville	Schuylkill		.10	.53	1.42	.34	.04			.17	.03				T.					.79									.04	.06			3.52
uakertown	Lower Del		.16	.75	3.05	.31	.26			.17	.04				T.														.03	.05			4.82
eading***	Schuylkill	T.	.44	.61	1.48	.12				.21	.01				T.					T.	T.	T.							.22				3.09
enovo.‖	W. Br. Susq		.08	.05	.08	.55					.20				.14	.15					.80								.20	.10			2.15
etreat	N. Br. Susq		.24	.24	1.26		*			.26	.06			.03		.06					.12	.63							.31	.16			3.37
cranton***	....do		.18	.23	1.10		.01			.42				.56	.01	.05		.02	T.	.24	.07	.18							.45				3.52
elinsgrove	Lower Susq		.25	.30	1.10	.02				.15	.05					.07					.58	.04							.21				2.77
hawmont	Schuylkill		.42	.10	2.25	1.82	1.49			T.	.52											.10											6.70
hippensburg	Lower Susq		1.20	.40	1.21	.06	.10			.06	.03										.22								.16	T.			3.44
now Hill‡‡	Upper Del																																......
tate College	W. Br. Susq		.41	.09	.73	T.				.08	T.					.02				.08	.88	.05							.06				2.40
troudsburg‖	Upper Del			.21	4.00							.04	1.15							*	1.08												6.48
unbury‖	Lower Susq		.15	.16	.86	.71	T.				.47					.10					.44		T.						.12	.18			3.19
Susquehanna‖	N. Br. Susq			.05	.10	.34	T.			.36	.62					.05	T.		T.	T.	.07	.34		.05					.07	.30	.04		2.39
Towanda	....do		.06	.09	.38				.17	.43	.01					.08	T.	.01	.21	.19	.12	.24						T.	.30	.01	T.		2.30
Weikert	Lower Susq		.20	.52	1.00					.05						.06				.70		.09							.10				2.72
Wellsboro	W. Br. Susq			T	.48				T.	.40	T.							.05				.24						T.	.17	T.	T.		1.34
West Chester	Lower Del	.15	.70	.48	3.00	1.95	1.08				.50				.02					.01		.02											7.91
Westgrove‖	....do		.10	.64	.64	3.17	2.23	T			.29																		.01				7.08
Wilkes-Barre‖	N. Br. Susq		.03	.19	.33	.72	.03			.02	.27				.20	.02					.26	.02	T	T.					.21	.26			2.56
Williamsport‖	W. Br. Susq		.19	.10	.20	.54					.12				.04	.10					.83								T.	.19			2.31
Williamstown	Susquehanna		T.	.11	1.83	.22	.14			.36	T.				.04						.55								.02				3.27
York	Lower Susq		.67	.43	1.32	.25	.03			T.											.02								.03				2.75
York Haven‖	Lower Susq		.53	.41	.31	.89	.12				.26										.14									.05			2.71
Zionsville..(near)	Schuylkill		.15	.65	3.75	.20	.05			.24	.05																		.10	.05			5.24
Trenton, N. J***	Lower Del		.20	.44	1.56	1.01	2.03			.17					T.						T.	T.						T.	.01				5.42

Continued on page 44.

Daily Precipitation for September, 1935—Continued from page 43

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio		.01	.01	.88	.53				.03	.25								.20		.11								.25				2.27
Beaver Falls‖‖	Beaver		.01		.65	.37				.07	.30				T.	T.			.04		1.08	T.							.34				2.86
Bradford	Allegheny				.60					1.13						.40		T.		.08	.78	.15						.48	.41	.22	.04		4.29
Brookville	do		T.		.46	.72				.02	.38					.08				1.10			.02						.37				3.15
Butler	Ohio																																
Chambersville	Allegheny		.07	T.	1.15					.21					.01	.05			.03	.93	1.75								.31				4.51
Clairton‡	Monongahela		.04	.12	1.19					.21									.08	.34	.01								.18				2.17
Claysville	Ohio		.03	.76	.89					.33									.29		T.								.15				2.45
Confluence‖‖	Youghiogheny		.55	.33																	.95									.15			1.98
Corry	Allegheny				.87				.31	1.25						.37			.16	.61	.48				.05				.20	.03			4.33
Derry	Conemaugh		.06	.15	1.32					.36	.02									.27	.40								.13				2.71
Donora‖‖	Monongahela		.03	.43	.76	.40	.01			.01	.29								.02		.25								.11	.01			2.32
Ebensburg	Conemaugh		.25	.05	.72					.22	.02					.10				.50	.35								.04				2.25
Elk Lick	Youghiogheny		.70	.70	1.20	.30				.38										.50									.10				3.88
Franklin‖‖	Allegheny				.45					.40											.31								.62				1.78
Greensboro‖‖	Monongahela		.16	.51	.42	.44					.39										.19		.01						.04	.11			2.27
Greensburg	Youghiogheny		.08	.23	1.95					.28						T.			.04	.22	.43	T.							.13				3.36
Greenville	Beaver			T.	.65					.80										.05		T.						.66		T.			2.16
Grove City	do		T.	T.	.68					.56										.69	.32							.29	.23	T.			2.77
Herrs Isl. Dam‖‖	Ohio		.03	.10	.50	.34				.01	.20					T.			1.27		.07								.10	.06			2.68
Irwin	Monongahela		.10	.17	1.38					.25									.12	.30	.40								.18				2.90
Johnstown	Conemaugh		.25	.23	.85					.13						T.			T.	08	1.24	.03							.03				2.84
Kane (near) ‡‡	Allegheny	T.	.01	T.	.66	.01				.47						.22				.45	.16	.05						.28	.50	.04			2.85
Kregar‖‖	Youghiogheny	.14	.34	.35	.41					.38						.02		.04		.86								.02	.15				2.71
Lake Lynn‖‖	Monongahela		.12	.31	.46	.28					.34										.12			.02					.02	.13			1.80
Linesville‖‖	Beaver				.35					1.49						.12		.14			.10	.05						.90					3.15
Lock No 2‖‖	Ohio		.02	.04	.80															.09		.15								.25	.04		1.39
Lock No. 4‖‖	Monongahela		.05	.43	.56	.76					.32					T.			.01		.12								.04	.06			2.35
Lock No. 5‡‡‖‖	Allegheny		.01	T.	.39	.82				T.	.24								.02		.60	T.							.11	.02			2.21
Lycippus	Conemaugh		.11	.26	.95					.38	T.								.07		.65								.14				2.56
McKeesport‖‖	Monongahela		T.	T.	.38	1.00					.15								.53										T.	.12			2.36
Meadville	Allegheny				.70					1.08						.20				.08	.05	.11						.50					2.72
Mosgrove‖‖	do		T.		.31	1.49				T.	.30				.01	.11			.05		.50	T.							.21	T.	T.		2.98
Mount Lebanon	Ohio		T.	.09	.94					.24						T.		T.	.17	.04	.20							T.	.25				1.93
Natrona‖‖	Allegheny		.02	.02	.34	.55				T.	.26								.06		.27								.12	.07			1.71
New Castle‖‖	Beaver		.02	.02	.40	.25	.02		.02	.26	.30	.02			.20	.25			.01		1.51	.01	.02	.01	.01				.64		.01		3.98
Newell	Monongahela		.10	*	1.50	.70															.20	.02							.05				2.57
Parkers Landing‖‖	Allegheny		T		.37	.40				.05	.45					T.					.04								.32				1.63
Pennline‖‖‡‡	Beaver	.02			.45	.19				1.17	.20					.19			.27		.05	.06						.38	.54				3.52
Pittsburgh***	Ohio		.05	.07	1.02					.18						.01		T.	.19	.22								T.	.22	T.			1.96
Punxsutawney‖‖	Allegheny																																
Ridgway	do	.03			.30	.67				.10	.32				.02	.22			.05		.48		T.						.49	T.			2.68
Saltsburg‖‖	Conemaugh		.09	.02	.46	.98					.22					.03			.20		1.56								.13	T.			3.69
Sharon‖‖	Beaver		T.		.29	.18				.29	.19						.03				.28							T.	.53				1.79
Smethport	Allegheny				.40	.25				.25	.30										1.80								.15	T.	.25		3.40
Somerset	Youghiogheny		.39	.66	.75	.05				.33	.01					T.					.78								.06				3.03
Springdale‖‖‡‡	Allegheny		.03	.01	.38	.47				.01	.21								.10		.90								.15	.08			2.34
Uniontown	Monongahela		.15	.76	.55	T.				.39											.26	.07							.22				2.40
Unity Reservoir‡‡	Youghiogheny		.08	.27	1.53					.35																			.11				2.34
Vandergrift‡	Conemaugh		*	*	*				1.25	.24								.02	.02	.54										.27			2.34
Warren	Allegheny				.68					1.00						.45				.45	.50	.05						.40	.35	.10			3.98
Waynesburg	Monongahela		.09	.85	1.03					.35											.16								.12				2.60
Westford‖‖	Beaver		.02	.36	.34				1.15	.14					.11			.02		.31							.28	.70					3.43
West Newton‖‖	Youghiogheny		.06	.32	.63	.96					.30								.10	.53	.34								.05	.07			3.36
Lake Drainage.																																	
Erie***	Lake Erie		T.		.48				.16	.60				T.	.26	.15		.15		.32		T.					.01	1.01		T.			3.14

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.04	30.32	23	29.60	29	12.0	35	s.	30	77	68	73	61
Harrisburg	30.05	30.37	24	29.65	29	6.0	24	nw	29	83	59	67	62
Philadelphia	30.07	30.39	25	29.61	29	10.9	36	se.	4	80	61	70	59
Pittsburgh	30.06	30.29	23	29.70	29	8.1	29	nw.	29	86	53	64	73
Reading	30.06	30.38	24	29.62	29	9.1	35	w.	29	80	60	66	53
Scranton	30.06	30.36	24	29.59	29	5.8	22	nw.	9	84	57	70	63

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	1.9	2.6	4	1.2	30	18
Phillipsburg	Delaware	1.2	2.8	6	0.6	28	22
Lehighton	Lehigh	2.6	3.3	7	2.3	2	17
Wilkes-Barre	Susquehanna	2.1	2.4	14	1.7	30	20
Williamsport	Susquehanna	0.8	1.7	7	0.4	30	20
Harrisburg	Susquehanna	3.3	3.6	9	3.1	30	17
Greensboro	Monongahela	11.9	20.7	5	10.2	30	30
West Newton	Youghiogheny	0.8	3.9	6	0.0	2	20
Lock No.4	Monongahela	12.3	19.8	5	10.8	30	30
Pittsburgh	Ohio		14.8*	5	9.8	30	25
Beaver Dam	Ohio		16.9*	6	9.2*	30	30

* —Pool stage.

Daily Temperatures for September, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
llentown	Maximum	69	60	61	72	67	76	75	78	79	70	73	84	78	65	77	70	71	74	75	72	82	77	69	71	78	79	81	62	65	65	....	72.5
	Minimum	49	52	56	56	60	62	53	51	53	52	44	46	51	53	55	53	42	45	53	60	51	51	43	38	41	47	49	55	43	39	....	50.3
ltoona	Maximum	69	58	59	66	74	75	72	78	68	68	71	80	79	78	75	67	70	77	79	74	80	76	70	73	80	77	77	66	57	67	....	72.0
	Minimum	47	49	57	57	54	56	45	50	57	50	40	47	51	57	57	47	40	50	57	58	54	49	40	38	47	52	54	50	44	81	....	49.5
edford	Maximum	71	68	63	70	69	75	75	81	76	69	76	79	80	81	77	67	73	82	83	80	81	75	70	75	82	80	80	74	59	65	....	74.5
	Minimum	48	42	55	60	61	59	50	55	54	45	45	46	48	51	59	45	42	51	57	61	52	50	43	39	47	49	51	55	45	29	....	49.8
ellefonte	Maximum	72	58	59	69	73	74	74	80	66	67	74	80	78	72	73	66	71	77	83	74	78	74	65	72	81	76	74	55	56	62	....	71.1
	Minimum	44	46	53	57	56	58	43	48	60	49	37	40	45	56	62	50	38	50	56	57	51	46	44	35	43	51	52	46	44	82	....	48.3
rookville	Maximum	60	73	69	66	68	74	55	75	79	62	66	74	78	78	79	71	68	79	86	85	72	76	75	67	78	84	78	71	65	47	....	71.9
	Minimum	39	46	49	56	50	41	36	43	53	44	31	35	43	47	57	43	37	48	53	50	47	48	35	31	38	44	51	46	41	27	....	43.6
utler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
arlisle	Maximum	72	65	60	68	69	77	75	82	78	72	76	82	82	76	82	75	74	78	80	80	85	77	77	73	80	80	82	77	65	64	....	75.4
	Minimum	50	51	55	58	64	60	50	50	63	53	43	48	48	58	65	53	41	59	58	60	68	50	49	37	43	45	55	60	41	37	....	52.4
atawissa	Maximum	75	68	60	69	73	70	79	83	74	72	78	85	88	71	77	74	73	79	83	80	82	78	72	76	80	82	80	72	64	65	....	75.4
	Minimum	52	52	55	59	60	50	48	52	60	59	41	47	49	60	53	52	39	51	62	49	50	50	48	36	44	51	59	64	42	31	....	50.8
hambersburg	Maximum	67	63	60	70	70	76	77	82	77	74	78	83	84	76	84	72	74	80	84	79	86	81	74	75	81	81	83	74	63	65	....	75.8
	Minimum	54	56	56	58	64	60	54	51	63	51	44	48	51	56	63	53	42	50	57	60	55	54	50	40	45	47	56	57	44	35	....	52.5
hambersville	Maximum	74	67	69	70	78	76	77	83	70	71	76	80	81	81	78	68	81	89	90	76	84	78	69	82	85	86	77	60	61	64	....	76.0
	Minimum	41	50	54	59	54	48	39	45	55	45	33	39	44	53	59	46	44	55	55	54	51	48	39	39	46	52	53	50	43	26	....	47.3
laysville	Maximum	75	72	72	70	79	79	81	85	83	73	81	81	82	84	82	74	87	89	87	83	84	80	79	88	89	79	74	63	63	68	....	78.9
	Minimum	45	54	57	64	55	46	43	47	54	44	38	41	45	49	63	41	47	59	59	58	59	51	40	37	46	60	54	50	45	27	....	49.3
learfield	Maximum	72	65	60	67	78	79	79	82	73	71	77	82	80	82	77	71	76	80	85	78	78	79	77	79	72	79	77	70	60	63	....	74.9
	Minimum	43	48	57	50	58	45	43	47	57	45	37	43	46	54	59	48	38	45	49	53	48	45	37	36	45	51	53	36	36	28	....	46.0
oatesville	Maximum	77	63	61	72	71	76	77	81	83	73	75	82	81	66	83	65	73	75	80	78	86	78	66	73	77	80	81	69	68	61	....	74.4
	Minimum	50	56	55	60	67	61	55	52	62	54	44	52	50	58	61	50	40	47	56	62	52	52	50	38	44	47	58	58	45	35	....	52.4
orry	Maximum	70	71	65	67	75	71	78	74	68	71	77	78	81	70	75	81	78	89	86	74	70	73	75	80	85	76	70	57	55	65	.. .	73.5
	Minimum	42	46	45	56	44	38	44	47	48	37	31	43	49	51	48	46	45	55	58	48	40	38	36	35	48	59	48	40	39	27	....	44.4
mporium	Maximum	68	67	61	68	73	70	72	76	66	65	71	76	76	75	70	64	71	80	80	72	75	73	65	71	79	75	70	54	55	62	....	70.0
	Minimum	45	48	55	60	56	46	52	53	58	50	40	46	53	56	61	50	40	52	60	56	53	52	41	37	48	58	54	48	42	30	....	49.8
rie	Maximum	67	70	70	70	69	69	72	70	63	62	71	73	67	82	64	64	81	86	86	68	71	70	59	80	85	80	59	58	54	64	....	70.1
	Minimum	56	55	56	60	56	56	55	59	56	50	47	60	57	56	54	52	54	65	61	59	59	55	47	49	62	59	50	49	44	39	....	54.6
ranklin	Maximum	77	78	74	74	82	84	82	89	78	73	78	87	86	83	75	78	83	90	89	80	80	81	78	86	87	79	62	72	59	68	....	79.1
	Minimum	34	37	49	57	50	44	43	46	52	46	36	39	44	52	56	48	43	50	57	53	54	49	38	37	40	48	56	47	42	30	....	45.9
reeland	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
ettysburg	Maximum	67	63	60	72	72	72	75	80	79	72	78	84	83	74	83	76	72	78	81	80	87	79	74	74	79	79	84	73	68	64	....	75.4
	Minimum	52	56	57	60	64	61	55	61	63	52	47	50	53	58	62	54	44	48	60	60	55	58	51	40	45	52	59	57	47	34	....	53.8
reensburg	Maximum	66	66	70	69	70	70	73	76	76	62	75	71	72	80	75	68	74	78	85	77	81	77	81	84	86	81	75	62	58	65	....	73.4
	Minimum	46	53	57	63	56	50	46	50	57	50	40	45	44	55	62	46	47	60	61	60	58	49	44	41	50	57	56	50	49	31	....	51.1
rove City	Maximum	74	67	69	70	74	73	77	80	73	65	73	80	79	79	77	69	79	85	84	73	73	73	71	80	84	80	69	61	59	62	....	73.7
	Minimum	44	50	53	60	48	48	44	53	55	47	40	50	54	56	57	47	47	59	60	56	59	47	43	43	51	60	49	51	43	31	....	50.2
Hamburg	Maximum	80	75	63	70	80	76	77	82	94	75	77	85	84	77	83	70	71	75	76	77	85	80	73	74	81	81	83	78	67	64	....	77.1
	Minimum	50	52	55	57	65	63	54	52	62	52	43	43	51	55	59	52	42	51	55	62	51	54	48	38	45	49	58	54	42	37	....	51.7
Harrisburg	Maximum	69	60	60	72	69	77	75	80	77	72	76	82	81	66	80	67	71	76	78	75	84	78	67	73	79	78	80	63	62	63	....	73.0
	Minimum	54	55	56	60	63	62	56	57	62	55	48	53	54	60	57	51	49	54	61	80	57	57	48	43	51	54	62	54	47	41	....	54.7
Hawley	Maximum	73	62	58	59	71	77	73	79	65	66	73	80	73	67	68	64	67	76	77	71	74	71	68	67	81	79	76	61	59	56	.. .	69.7
	Minimum	44	48	52	53	55	56	40	44	54	44	34	40	47	50	53	46	35	49	50	56	43	42	37	30	38	41	49	48	36	31	....	44.8
Huntingdon	Maximum	75	69	62	69	73	78	77	82	73	73	77	81	82	78	77	70	75	81	83	77	84	79	69	76	84	81	81	65	62	66	....	75.3
	Minimum	50	51	56	59	58	59	47	53	57	44	43	47	49	55	56	47	41	48	57	54	51	51	43	40	46	49	53	43	39	32	....	49.3
ohnstown	Maximum	75	68	65	70	78	79	81	85	73	72	81	83	81	84	80	72	80	89	88	79	83	79	76	83	88	84	80	68	61	70	.. .	77.8
	Minimum	48	53	56	61	58	55	50	51	57	49	43	43	46	52	60	48	43	56	59	58	52	56	47	40	58	53	54	52	46	33	....	51.2
Lancaster	Maximum	66	66	61	72	73	79	80	81	80	73	78	82	82	75	78	70	68	73	77	81	79	77	76	74	76	74	82	79	68	59	....	74.6
	Minimum	48	54	56	59	61	62	52	50	60	52	43	47	50	58	61	49	41	47	52	59	50	50	48	36	41	44	55	58	48	34	....	50.8
Lawrenceville	Maximum	71	72	67	66	78	73	72	69	69	67	77	78	72	72	69	65	70	83	80	70	75	75	71	76	85	80	72	58	56	66	....	71.8
	Minimum	45	48	52	58	52	48	44	53	56	45	40	43	48	52	56	42	38	53	58	54	48	49	38	37	49	53	51	44	36	28	....	47.3
Lebanon	Maximum	73	60	62	72	68	78	76	82	80	74	77	85	83	66	83	68	72	77	80	77	86	80	68	75	82	81	83	61	66	64	....	74.6
	Minimum	51	52	55	56	61	62	53	53	62	51	44	44	50	60	58	52	46	51	57	60	52	51	51	38	45	48	61	56	42	33	....	51.8
Marcus Hook	Maximum	77	65	74	75	73	74	80	82	81	74	79	81	81	83	83	74	79	80	81	84	84	80	71	77	81	81	81	73	67	73	....	77.6
	Minimum	58	59	63	64	64	60	58	67	59	53	61	60	62	64	53	50	55	63	66	59	62	54	49	57	59	63	64	51	42	50	.. .	58.3
Meadville	Maximum	71	73	69	71	73	71	76	77	72	64	76	80	78	82	81	70	82	88	86	77	71	76	70	82	86	84	77	62	61	64	....	75.0
	Minimum	46	49	53	61	49	45	44	55	48	38	36	46	52	52	55	50	58	58	63	50	58	48	38	38	50	62	44	38	37	33	....	48.5
Mount Pocono	Maximum	72	64	60	63	70	67	69	79	72	68	65	81	74	58	70	71	62	70	72	73	76	68	62	66	71	75	76	67	60	59	....	68.7
	Minimum	40	50	50	52	54	50	46	50	48	46	35	46	49	50	52	50	38	40	42	46	40	41	37	46	47	50	56	52	36	25	....	45.5
Muncy Valley	Maximum	71	65	59	65	72	73	74	79	67	70	71	82	78	66	70	65	74	73	77	76	78	72	70	68	77	77	74	66	59	59	....	70.6
	Minimum	45	46	53	57	55	53	40	42	47	40	35	42	48	52	57	46	48	50	48	52	45	38	37	33	48	46	55	47	36	26	....	45.6
Philadelphia	Maximum	75	66	65	72	71	74	74	77	79	72	74	79	81	66	83	67	72	75	77	80	83	78	69	71	76	80	80	69	67	63	....	73.8
	Minimum	61	58	58	63	62	63	60	59	61	59	56	62	62	61	59	53	52	57	62	64	60	62	56	52	55	58	62	58	49	43	....	58.2
Pittsburgh	Maximum	71	67	70	69	75	72	77	81	64	68	76	79	79	80	74	67	82	87	85	77	79	76	69	81	84	75	71	58	57	64	....	73.8
	Minimum	51	55	58	63	58	54	50	54	52	47	43	47	54	57	55	50	50	64	65	61	60	54	47	49	55	60	54	49	40	36	....	53.1
Quakertown	Maximum	75	68	63	69	70	73	72	78	80	71	71	80	77	74	78	64	69	73	76	75	80	75	70	69	76	78	79	73	68	60	....	72.8
	Minimum	47	52	48	57	63	60	51	48	62	49	40	45	48	55	52	45	36	45	54	58	47	45	46	33	40	43	54	50	39	36	....	48.3
Reading	Maximum	71	60	60	72	71	75	73	78	78	70	74	82	81	64	80	68	70	73	77	76	83	77	68	72	78	78	80	67	62	63	....	72.7
	Minimum	54	56	56	60	63	60	57	57	61	55	48	56	54	58	56	53	46	55	61	60	56	58	50	43	54	59	65	52	46	40	....	55.0
Ridgway	Maximum	70	70	63	69	75	72	76	78	61	67	74	80	80	78	70	70	75	86	83	75	76	74	71	79	83	77	68	61	55	62	....	72.6
	Minimum	38	43	50	55	50	44	40	45	54	43	35	38	46	51	56	48	40	50	54	52	49	47	37	33	42	48	52	47	37	27	....	45.0
Scranton	Maximum	72	61	60	67	72	74	72	78	67	65	72	80	76	62	67	65	71	77	78	70	77	76	61	71	81	80	76	55	62	60	....	70.2
	Minimum	52	54	56	59	62	54	47	51	58	48	40	48	53	54	52	46	44	54	60	52	49	51	43	37	48	51	53	47	42	39	....	50.1
Selinsgrove	Maximum	74	70	62	70	71	78	75	80	73	74	75	81	79	73	78	68	73	78	76	77	83	78	73	72	80	80	80	70	62	64	....	74.2
	Minimum	48	52	55	58	60	59	47	51	50	49	43	47	47	58	62	51	40	53	59	58	52	48	45	37	45	52	58	51	38	34	....	50.2
Shippensburg	Maximum	66	65	60	68	69	77	74	79	77	73	75	79	81	80	81	76	71	78	79	79	84	78	74	72	79	78	79	62	62	61	....	73.9
	Minimum	54	53	53	57	64	60	53	52	62	51	45	49	53	56	63	52	41	49	57	50	55	54	50	39	45	47	55	55	43	36	....	51.8
Somerset	Maximum	68	62	64	69	73	71	75	80	76	64	75	78	75	77	71	68	73	82	82	72	78	72	71	77	82	76	76	64	54	63	....	72.3
	Minimum	41	45	53	59	54	54	43	41	46	43	37	34	37	42	55	37	36	52	51	55	48	46	35	31	37	42	45	48	44	26	....	43.9
State College	Maximum	68	70	58	69	73	74	74	78	66	66	74	78	77	72	72	65	71	79	80	73	80	75	65	72	81	77	75	69	64	66	....	72.0
	Minimum	54	51	49	56	56	54	45	51	58	48	40	45	46	54	56	48	46	52	59	58	53	52	43	38	42	54	56	48	44	34	....	49.7
Stroudsburg	Maximum	68	63	64	70	74	76	79	75	81	74	75	80	79	74	76	68	72	69	73	72	73	74	68	71	79	74	71	79	78	64	....	73.1
	Minimum	51	60	62	62	62	48	47	53	68	52	56	51	40	51	53	50	38	42	47	42	40	48	35	33	36	44	32	35	41	40	....	47.3
Towanda	Maximum	75	67	59	67	76	73	73	72	63	66	75	82	76	68	68	65	72	80	82	72	80	76	64	73	84	80	68	52	58	63	....	71.0
	Minimum	45	48	54	58	53	52	43	49	57	46	39	42	49	50	51	46	37	55	61	49	48	49	40	34	48	51	50	46	39	32	....	47.4
Uniontown	Maximum	73	67	68	71	73	73	79	82	74	69	76	79	80	82	79	69	85	88	87	79	85	79	73	85	87	77	79	65	60	67	....	76.3
	Minimum	49	56	59	66	62	56	51	50	55	51	43	44	49	53	62	45	49	63	61	63	60	57	46	41	49	53	55	51	48	32	....	52.6
Vandergrift	Maximum	74	67	70	70	77	77	78	83	66	71	78	79	82	82	77	69	83	90	90	77	80	81	72	82	87	80	73	60	61	67	....	76.1
	Minimum	46	55	53	60	59	52	46	46	52	46	42	45	50	56	51	49	43	60	60	57	58	53	42	41	49	55	55	51	41	31	....	50.1
Warren	Maximum	67	68	68	67	67	69	68	72	70	62	62	70	72	73	69	69	70	74	78	78	68	74	69	68	77	77	72	60	55	55	.. .	68.9
	Minimum	47	54	56	58	55	47	48	58	59	52	42	52	55	58	58	50	53	58	61	59	58	55	43	42	50	60	53	49	45	37	....	52.4
Waynesburg	Maximum	76	69	71	70	80	76	79	82	78	72	78	81	80	81	78	73	85	88	87	82	83	79	77	85	86	80	75	62	60	67	....	77.3
	Minimum	45	55	58	64	56	52	47	49	54	50	42	42	46	49	60	43	44	61	59	60	60	54	44	37	46	56	54	51	48	29	....	50.5
Wellsboro	Maximum	70	66	60	68	76	70	73	75	64	66	75	70	74	74	66	69	68	78	80	78	76	72	63	73	80	74	64	56	54	60	....	69.7
	Minimum	43	44	48	55	49	45	40	44	52	40	33	39	44	50	54	40	33	49	49	46	44	44	32	31	48	47	43	42	32	24	....	42.8
Williamsport	Maximum	72	65	60	67	77	78	78	80	72	73	78	85	81	68	75	69	71	79	80	76	82	79	69	72	80	78	75	57	63	66	....	73.5
	Minimum	50	52	55	58	57	57	47	50	47	....	....	....	....	....	63	49	39	52	59	57	51	52	43	39	45	54	55	50	45	33	....	50.4
Williamstown	Maximum	81	75	74	69	70	75	73	82	81	75	73	81	79	79	81	77	73	74	78	76	81	74	74	72	79	78	79	74	80	77	....	76.5
	Minimum	46	51	47	46	57	56	52	50	57	51	46	56	55	56	55	48	48	56	54	51	55	52	45	44	51	55	59	48	44	34	....	50.8
York	Maximum	73	63	62	72	72	77	77	82	78	72	78	83	82	76	83	76	74	76	83	78	88	81	78	76	80	80	83	77	66	65	....	76.4
	Minimum	49	55	57	62	64	63	54	52	64	50	44	48	49	57	54	55	43	49	56	60	53	51	47	37	43	47	57	48	41	33	....	51.4

INGS
MASTER

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

Vol. XL. October, 1935. No. 10.

GENERAL SUMMARY.

October began with unseasonably low temperatures, which prevailed through the first ten day period, and the lowest for the month was recorded at a majority of stations at or near the end of the first week, when frosts covered practically the entire State. These temperatures were low enough to kill growing crops in fully two-thirds of the State. However, the corn crop was mostly matured, and the damage to it was not serious. Potatoes were generally well developed, and were not greatly injured by the killing of the tops. Apples were damaged in some regions, but the chief losses were sustained by a few late truck crops such as cabbages, turnips, carrots, and celery. After the 10th the temperatures were mostly above the normal. The highest for the month was generally recorded in the western portion of the State on the 14th, and in the central and eastern portions from the 18th to 20th. The rainfall was above the October average in the Delaware Basin due to heavy general rains that occurred near the end of the month. Previous to that time this drainage basin had suffered from a steadily increasing drought that prevented the germination of late sown wheat, and slowed up the growth of the earlier sown grain. In the Ohio and Susquehanna drainage basins the rainfall was generally less than the October average, but it was fairly well distributed through the month, and the top soil did not dry out as badly as it did in the Delaware Basin. The weather was mostly favorable for field work, which made good progress. Corn cutting continued in full swing from September, and was generally finished from the 10th to the 15th. Husking was in progress during the remainder of the month, and was well advanced at its close. Potato digging continued at a gradually diminishing rate with generally light yields reported. Stock was kept in the pastures which steadily deteriorated in quality, partly due to a lack of moisture in the top soil, and partly to the natural decline that occurs late in the season. The surface water supply became rather low in most regions, but was partly replenished in the Delaware Basin by the heavy rains near the close of the month. An inch of snow fell in Somerset County, and about half as much in Erie, while elsewhere there was nothing more than light flurries. The month was wholly free from severe or damaging local storms.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 89 stations, was 53.0°, which is 0.6° above the October normal. The highest monthly mean was 59.0°, at Marcus Hook, and the lowest 43.4° at Gouldsboro. The highest temperature, 86°, occurred at Franklin and Johnstown on the 14th, at New Castle on the 15th, at Phœnixville on the 20th, and at Carlisle on the 20th and 22d. The lowest, 16°, occurred at Somerset on the 7th. The greatest daily range in temperature was 56° at Clearfield and Somerset on the 17th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations of 139 stations, was 2.77 inches, which is 0.49 inch less than the normal for October. The greatest monthly amount was 6.73 inches at Quakertown, and the least was 0.50 inch at Parkers Landing. The greatest amount recorded in any 24 consecutive hours was 4.25 inches at Lakeville on the 29-30th. Snowfall averaged a trace, which is 0.2 inch less than the normal. The greatest monthly snowfall was 1.0 inch at Elk Lick and Somerset, and the greatest 24-hour fall was 1.0 at Elk Lick on the 6th, and at Somerset on the 5-6th.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	46.3	−6.1	74	19	4.02	+0.76	9.18	2.04	T	16	9	6	16
1889	47.3	−5.1	83	13	3.85	+0.59	8.61	1.88	0.2	10	8	9	14
1890	50.9	−1.5	81	21	5.87	+2.61	8.41	4.03	0.3	15	6	8	17
1891	50.6	−1.8	91	15	3.06	−0.20	4.46	0.84	T.	8	11	9	11
1892	50.8	−1.6	83	16	0.72	−2.54	2.93	0.00	T.	6	13	11	7
1893	53.0	+0.6	91	17	3.26	0.00	6.58	1.18	T.	8	14	8	9
1894	53.6	+1.2	88	24	4.26	+1.00	7.66	0.65	T.	9	12	8	11
1895	47.3	−5.1	76	17	1.99	−1.27	4.63	0.45	0.3	5	17	8	6
1896	48.9	−3.5	86	18	3.19	−0.07	5.70	0.94	T.	9	11	8	12
1897	54.2	+1.8	95	16	1.32	−1.94	5.93	T.	T.	5	14	8	9
1898	53.8	+1.4	92	20	5.20	+1.94	8.62	2.36	T.	12	11	7	13
1899	54 6	+2.2	94	15	1.55	−1.71	3.81	0.53	0	6	13	8	10
1900	58.6	+6.2	95	19	2.74	−0.52	5.10	0.80	0	8	11	9	11
1901	52.2	−0.2	83	20	1.23	−2.03	3.35	0.23	T.	5	16	10	5
1902	53.1	+0.7	89	19	4.64	+1.38	8.12	1.65	0.1	9	12	9	10
1903	53.4	+1.0	91	20	4.64	+1.38	10.53	2.07	0.1	9	12	8	11
1904	50.6	−1.8	91	12	2.87	−0.39	7.11	1.26	T.	7	15	8	8
1905	53.2	+0.8	90	16	4.23	+0.97	7.06	2.18	T.	9	14	7	10
1906	52.0	−0.4	87	14	4.46	+1.20	8.39	1.97	1.1	14	7	7	17
1907	48.2	−4.2	87	13	3.16	−0.10	5.64	1.01	T.	7	16	8	7
1908	54.6	+2.2	93	19	1.95	−1.31	5.48	0.08	T.	6	16	7	8
1909	48.4	−4.0	87	15	2.27	−0.99	4.60	0.70	T.	7	13	7	11
1910	55.6	+3.2	91	14	1.91	−1.35	5.23	0.62	0.5	7	16	8	7
1911	52.3	−0.1	83	18	4.83	+1.57	9.23	2.59	T.	11	11	7	13
1912	54.2	+1.8	90	23	2.74	−0.52	5.27	0.90	T.	7	15	7	9
1913	54.9	+2.5	88	16	5.44	+2.18	9.62	3.15	0.2	13	10	6	15
1914	56.4	+4.0	91	11	2.35	−0.91	4.37	0.89	T.	9	11	9	11
1915	54.2	+1.8	85	17	2.65	−0.61	5.33	1.00	T	8	15	7	9
1916	52.1	−0.3	92	16	2.25	−1.01	4.45	0.76	T.	6	18	7	6
1917	47.2	−5.2	84	12	6.38	+3.12	9.80	3.33	1.7	13	10	10	11
1918	55.5	+3.1	85	19	3.17	−0.09	5.75	0.44	0	10	15	8	8
1919	57.5	+5.1	92	21	4.77	+1.51	8.04	2.28	0	17	9	8	14
1920	57.5	+5.1	88	22	1.67	−1.59	4.67	0.50	T.	5	19	7	5
1921	52.6	+0.2	84	18	2.16	−1.10	6.55	0.40	0	8	17	7	7
1922	54.8	+2.4	94	12	2.51	−0.75	5.60	0.65	T.	7	18	6	7
1923	51.0	−1.4	87	12	2.38	−0.88	6.01	0.90	T.	8	15	8	8
1924	52.9	+0.5	87	14	0.28	−2.98	2.30	0.00	0	2	21	7	3
1925	46.1	−6.3	83	9	4.83	+1.57	8.90	2.02	3.8	15	6	8	17
1926	51.9	−0.5	90	16	4.51	+1.25	7.98	2.56	0.2	14	10	9	12
1927	55.6	+3.2	99	21	6.40	+3.14	11.91	1.58	0.1	9	17	5	9
1928	55.1	+2.7	91	15	1.78	−1.48	5.24	0.43	0.1	8	14	8	9
1929	50.6	−1.8	85	14	5.59	+2.33	10.40	1.65	T.	9	12	8	11
1930	50.8	−1.6	93	9	0.99	−2.27	3.33	0.11	0.2	6	15	7	9
1931	55.7	+3.3	93	20	1.83	−1.43	4.30	0.20	T.	9	15	8	8
1932	53.8	+1.4	86	20	5.31	+2.05	11.90	1.78	T.	11	10	7	14
1933	51.6	−0.8	90	11	1.91	−1.35	3.80	0.33	T	8	16	9	6
1934	51.8	−0.6	84	11	1.46	−1.80	3.15	0.51	0.6	6	17	7	7
1935	53.0	+0.6	89	16	2.77	−0.49	6.73	0.50	T.	9	16	8	7
Period	52.4	....	99	9	3.26	....	11.91	0.00	0.2	9	13	8	10

W. B. O. Philadelphia-11-27-35-1050.

Climatological Data for October, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	55.0	+2.0	83	22	30	17	38	3.50	+0.16	1.50	0	8	20	3	8	ne.	John A. Frick.
Altoona	Blair	1,615	48	52.0	−0.1	83	14	23	7	41	1.56	−1.11	0.92	T.	9	14	11	6	w.	John J. Martin.
Ardmore	Montgomery	350	3	55.8	+0.6	80	22	31	17	34	3.76	+0.84	1.67	0	9	12	13	6	......	H. L. Balderston.
Arendtsville	Adams	700	13	52.2	−2.4	81	22	26	3	40	4.17	+0.81	......	0	6	23	1	7	se.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	52.0	......	80	14	23	7	44	1.95	......	0.85	T.	7	22	1	8	nw	Charles C. Lee.
Bellefonte	Center	1,050	27	50.2	−2.8	81	14	20	31	48	1.88	−1.15	1.12	0	7	10	12	9	sw.	U. S. Airway Radio Sta.
Bethlehem	Northampton	364	50	56.6	+0.9	78	20	31	8	36	6.13	+2.92	3.19	0	10	20	1	10	w.	Lehigh University.
Carlisle	Cumberland	467	69	56.0	+3.2	86	20†	26	9	42	3.40	+0.17	2.40	0	6	20	4	7	s.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. L. Gearhart.
Center Hall	Center	1,272	39	53.5	+1.6	82	14	25	25	40	2.24	−0.68	2.00	T.	4	19	6	6	......	Edward E. Bailey.
Chambersburg	Franklin	580	36	55.3	+2.4	82	22	28	7	38	3.76	+0.56	2.47	0	6	14	12	5	sw.	William B. Spear.
Clearfield	Clearfield	1,120	28	51.5	−1.1	85	3	20	7	56	2.15	−1.09	0.62	0	9	15	10	6	nw.	E. W. Hess.
Coatesville	Chester	380	48	54.5	+0.4	79	18†	29	9	56	2.99	−0.42	1.48	0	11	9	7	15	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	52.1	−0.6	77	22	25	8	36	2.01	−1.27	0.89	0	10	17	7	7	sw.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	49.0	−1.0	79	14	22	8	50	2.41	−0.84	0.92	T.	8	9	12	10	sw.	T. B. Lloyd.
Ephrata	Lancaster	380	43	55.4	+0.8	80	22	28	8	39	1.62	−1.46	0.46	0	10	15	9	7	n.	Ira J. Keath
Freeland	Luzerne	1,970	42	50.6[a]	+3.6	72[a]	14	27[a]	25	31[a]	1.79	−2.08	1.08	T.	7	13	8	10	w.	Andrew B Evansha.
George School	Bucks	190	29	55.8	+0.8	80	18†	27	17	38	4.43	+1.29	2.40	0	12	23	3	5	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	62	56.2	+3.2	82	20	29	5†	37	3.33	+0.12	2.68	0	8	15	8	8	w.	Dr Henry Stewart
Gordon	Schuylkill	840	31	51.1	+0.4	78	22	24	5†	43	2.46	−1.73	1.68	0	10	19	6	6	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	43.4	−2.4	62	14	20	8	32	3.68	−0.15	2.50	0	9	19	6	6	w.	Ronald H. Marshall,
Hamburg	Berks	535	42	55.6	+2.2	80	22	29	8†	36	2.48	−1.31	1.42	0	6	14	9	8	ne.	State Sanatorium.
Hanover	York	600	31	57.1	+1.7	81	20†	31	7†	34	1.87	−1.00	0.59	0	8	17	8	6	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	55.3	+0.5	78	22	32	8	29	2.58	−0.35	1.87	0	7	11	10	10	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	17	49.0	−0.6	76	14	20	8†	50	4.20	+0.92	2.45	0	8	20	10	1	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	56.9	+0.7	81	22	37	5†	30	1.24	−1.24	0.30	0	8	22	5	4	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	51.4[b]	−1.3	83[b]	14	22[b]	25	51[b]	1.34	−1.65	0.80	0	4	14	8	9	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	54.0	+0.8	84	21	22	7	47	2.01	−1.21	0.88	T.	9	18	5	8	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	49.2	......	78	14	20	7	40	1.88	......	1.02	T.	7	12	9	10	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	48	51.8	−2.0	80	18	26	8†	42	1.56	−1.55	0.45	0	7	15	12	4	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	51.0	+0.5	85	14	20	7	50	2.96	+0.18	1.60	0	7	15	9	7	......	C. P. Darling.
Lebanon	Lebanon	469	51	54.4	+0.7	81	22	28	8	38	1.63	−1.85	0.90	0	6	19	6	6	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	52.8	−0.7	79	22	25	7	38	3.02	−0.12	1.29	0	8	10	13	8	nw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	59.0[a]	......	80[a]	17†	37[a]	24	29[a]	2.51	......	1.20	0	8	24	3	4	sw.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	52.4	0.0	81	22	22	17	47	3.99	+0.20	1.63	0	9	18	7	6	nw.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	29	49.2	+0.8	76	14	24	26	40	6.45	+1.59	4.00	T.	6	16	7	8	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	23	48.9	−1.4	76	22	21	7	40	3.06	−0.47	2.13	0	6	16	7	8	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	53.0	−0.9	81	18	25	17	42	5.17	+2.01	2.70	0	10	19	4	8	ne.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	51.8	......	77	22	26	8†	40	4.39	+1.25	2.56	0	9	16	8	7	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	57.8	0.0	79	18	38	25	30	3.95	+1.14	1.78	0	10	12	13	6	sw.	U. S. Weather Bureau.
Phila. Navy Yard	Philadelphia	12	19	58.0	+0.9	82	18†	37	7†	34	3.88	+1.24	1.41	0	9	10	11	10	sw.	Commandant, Navy Yard.
Phila-Point Breeze	Philadelphia	90	9	57.6	+0.2	83	22	37	17†	32	3.99	+1.28	1.76	0	8	20	2	9	sw.	Atlantic Refining Co.
Phœnixville	Chester	100	25	57.3	+2.9	86	20	27	8	46	3.69	+0.52	1.73	0	9	25	4	2	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	50	52.2	0.0	75	11†	24	8†	40	6.73	+3.39	3.19	0	11	19	6	6	s.	John E. Benner.
Reading	Berks	514	65	56.4	+1.7	80	22	32	8	31	1.71	−1.41	0.63	0	10	11	14	6	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	51.0	......	76	22	20	16	42	2.39	......	1.26	0	8	20	5	6	sw.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	52.6	+0.8	75	14	28	8	37	3.43	+0.40	2.04	0	9	8	14	9	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	53.4	+0.6	80	22	26	7†	39	2.40	−1.13	0.88	0	9	13	9	9	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	55.8	−0.3	77	22	32	8	31	3.49	+0.33	1.76	0	10	11	11	9	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	54.5	......	79	22	28	9	36	3.51	......	2.75	0	7	14	6	11	sw.	State Teachers College
State College	Center	1,217	51	52.4	+1.3	78	14	25	7	36	2.11	−0.80	1.24	0	7	17	8	6	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	51.2	−1.0	78	21	22	9	47	5.89	+2.18	3.65	0	8	22	0	9	se.	State Normal School.
Towanda	Bradford	754	41	50.8	0.0	81	14	21	8	47	2.15	−0.78	0.81	0	8	13	8	10	w.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	48.4	−0.5	81	14	17	7†	49	2.49	−0.59	1.40	T.	4	20	7	4	nw.	George W. Hill.
West Chester	Chester	455	86	55.5	+1.0	76	18†	34	5†	30	6.09	+2.45	2.75	0	7	21	6	4	w.	Joseph W. Belt.
Williamsport	Lycoming	521	49	51.9	−0.8	79	22	26	8†	40	2.75	−0.65	2.00	T.	7	17	6	8	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	55.4	+2.1	78	20	28	7	37	2.33	−1.36	1.46	0	8	12	10	9	sw.	Susquehanna Collieries Co.
York	York	400	47	54.6	+0.6	82	22	27	8†	40	2.02	−0.99	1.02	0	6	20	6	5	s.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	54.8	−0.4	85	14	29	7	43	1.82	−0.68	0.88	0	13	13	6	12	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	47.0	−1.7	81	15	18	7	45	2.05	−0.93	0.67	0	15	9	10	12	......	Frank S. Fawcett.
Butler	Butler	1,077	22	51.0	−2.1	82	14	25	5†	50	2.40	−0.75	0.82	T.	8	17	9	5	nw.	William C. Faust.
Chambersville	Indiana	1,047	5	52.1	−0.4	82	14	20	7	45	2.57	−0.92	0.91	T.	11	15	2	14	w.	John F. Lewis.
Clairton	Allegheny	1,020	3	51.5	......	81	13†	24	7	46	1.60	......	0.69	T.	9	10	12	9	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	54.2	+0.2	85	14	22	7	49	1.92	−1.37	0.80	T.	11	18	3	10	w	J. L. Melvin.
Corry	Erie	1,430	22	50.4	+1.7	81	14	21	7†	43	1.87	−2.16	0.61	T.	11	14	14	3	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	54.4	+0.3	82	14	25	7	47	2.47	−0.71	0.62	0	9	17	9	5	sw.	Ted R. Wineman.
Donora	Washington	762	8	56.2	......	85	15	33	25	37	1.74	......	0.43	0	12	17	5	9	sw.	Donora Zinc Works.
Ebensburg	Cambria	2,000	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	51.9	+2.5	80	14	21	7	49	1.75	−1.86	0.80	1.0	6	22	6	3	w.	J. S. Stevanus.
Franklin	Venango	957	61	51.6	+0.3	86	14	22	25	50	1.81	−1.29	0.40	0	9	14	7	10	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	26	53.2	−0.8	82	15	25	7	43	2.40	−0.74	0.59	T.	10	14	11	6	w.	Westmoreland Water Co.
Greenville	Mercer	950	39	50.0	−0.9	73	14†	24	25	41	3.00	−0.43	1.50	0	8	13	9	9	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	52.6	+0.7	80	14	27	7	34	1.96	−1.42	0.58	T.	8	14	8	9	s.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	11	54.3	+0.4	82	14	23	7	47	3.12	+0.27	0.88	0	9	22	6	3	......	W. F. Gallagher.
Johnstown	Cambria	1,184	53	54.8	+1.1	86	14	27	7	52	2.02	−0.99	0.61	T.	10	16	7	8	nw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	49.4	......	77	14	20	7	46	2.65	......	0.84	T.	10	15	1	15	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	53.5	−0.8	77	14	25	7	32	2.73	−0.42	0.74	0	7	9	13	9	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	52.8	+2.3	80	14	25	8	41	1.36	−2.17	0.42	T.	7	17	5	9	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	53.6	......	83	14	26	7	41	2.42	......	0.98	T.	10	17	6	8	sw.	Fred Hoffman.
New Castle	Lawrence	808	55	52.9	+0.6	86	15	27	25	38	2.36	−0.36	0.54	0	20	14	15	2	sw.	New Castle Water Co.
Newell	Fayette	800	15	52.3	−3.2	77	13†	26	7	42	1.89	−0.65	0.45	0	10	20	6	5	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	53.8	−1.9	81	14	32	7	36	2.03	−0.49	0.78	T.	9	12	8	11	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	49.0	−0.4	80	14	19	7	50	2.18	−0.88	0.64	0	12	13	6	12	s.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	52.0	−0.7	81	14	27	25	41	1.74	−1.14	0.72	0	11	14	10	7	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	48.8	−0.6	79	14	16	7	56	1.88	−1.22	0.64	1.0	10	11	12	8	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	55.5	+0.9	83	13	25	7	44	2.41	−0.91	0.77	0	10	13	11	7	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	52.9	−1.3	83	14	25	7	42	2.22	−0.92	0.99	0	9	16	11	4	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	53.2	+2.6	76	18	30	7	33	2.45	−1.00	0.80	T.	12	12	7	12	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	54.4[c]	......	83*	14	24*	7	48*	2.43	......	0.76	T.	8	3	19	9	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	53.6	+0.6	78	13	35	25	31	1.75	−1.94	0.37	0.5	13	11	10	10	s.	U. S. Weather Bureau.
For the State	......	......	....	53.0	+0.6	86	14†	16	7	56	2.77	−0.49	4.25	T.	9	16	8	7	w.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters~~, a, b, c, etc., indicate, respectively~~, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for October, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh		.25				.08	T.					.09										.05		.06			.06			1.50	1.41	3.50
Altoona	Juniata	.23	T.	T.			.03					.10	.03			.01			.05				.10	.09						.92	T.		1.56
Ansonia‖‖	W. Br. Susq																																
Ardmore	Lower Del	.34				.26	.35					.62	T.											.04	.24					.09	1.67	.15	3.76
Arendtsville	Lower Susq	.27					.27					.55											.06							*	3.02		4.17
Baker's Summit	Juniata		.12				.26						.13			.09							.08	.05						.75	.10		1.58
Bedford	Juniata	.08					.41					.20	.23						.02			T.	.16							.85			1.95
Bellefonte	W. Br. Susq	.49		.01			.02					.02				.01								.21						1.12		T.	1.88
Bethlehem	Lehigh		.27				.08	T.				T.	.11		T.								.06	.07	.01			.07		.02	2.25	3.19	6.13
Bloserville‡‡	Lower Susq	.35					.30						.32										.10	.05						3.10			4.12
Buffalo Mills‖‖	Juniata		.06				.32						.43							.18			.08							.55	.42		2.04
Carlisle	Lower Susq	.20				T.	.34				T.	.03	.36										.07	T.							2.40	T.	3.40
Catawissa‡	N. Br. Susq																																
Center Hall	Susquehanna	.20					.02					.02																		2.00			2.24
Chambersburg	Potomac	.19					.34						.62										.13	.01						2.47			3.76
Clearfield	W. Br. Susq	.62		.08								.16	.06									T.	.06	.38						.43	.20	.16	2.15
Coatesville	Lower Del	.37	.02				.28					.34	.12										.06	.11	.01					.08	1.48	.12	2.99
Colebrook	Lower Susq	.33					.22					.25	.17										.11	.02	.01					.20	.69	.01	2.01
Conshohocken	Schuylkill																																
Doylestown	Lower Del		.23				.16	.22					.38										.06	.11	.12			T.		.17	2.00	.18	3.63
Emporium	W. Br. Susq	.75		.11			T.					.06							.16				.12	.16						.92	.13		2.41
Ephrata	Lower Susq	.14	.13				.17					.04	.23										.13	.02						.14	.32	.29	1.62
Forest City	N. Br. Susq		.37	.10									.02	.02									.21							.04	2.40	2.00	5.16
Freeland‖‖	Lehigh		.25	T			.03						.14		T.				T			T.	.14		.07					T.	1.08	.08	1.79
Galeton	W. Br. Susq	.67		.10			.02					.03							.08				.17	.14	.03					2.09			3.33
eorge School	Lower Del		.25				.29	.33	.01				.27										.03	.09	.13			.03		.02	2.40	.58	4.43
ettysburg	Potomac	.11	.04				.26					T.	.15										.08	.01						1.94	.74		3.33
irardville‖‖	Lower Susq	.21					.09				.02	.20							.01				.14	.06	.01			.07		1.71		.06	2.58
ordon	Lower Susq	.01	.19				.08					.01	.20						T.				.17	.03						.05	1.68	.04	2.46
ouldsboro‖	Lehigh		.29		.01								.02		.06					.02			.03		.05					2.50	.70		3.68
raterford	Schuylkill						.37	.21					.04										.03	.21						.02	1.39	.62	2.89
amburg	Schuylkill	.54										.16											.07	.20							1.42	.09	2.48
anover	Lower Susq	.01	.21				.25					T	.15										.07	.04	T.			T.		.55	.59		1.87
arrisburg***	Lower Susq	.21				.09	.19				T.	.18	.02						T.			T.	.02	T.	T.			T		1.87		T	2.58
awley‖‖	Upper Del		.35		.13							T	.05										.10		.05	.02					2.45	1.05	4.20
ollisterville	Upper Del		.27	.04	T.		T.					T.	.03		T.					.02			.10	.02	.04	T.				.01	2.05	1.03	3.61
oltwood‖	Lower Susq		.30				.17	.02															.09		.13					.20	.21	.12	1.24
untingdon	Juniata	.24					.20																	.10						.80			1.34
yndman	Potomac	.04					.49					.02	.32										.15	.07	.01					.88	.03		2.01
ylertown***	W. B. Susq	.43		T.	T.		T.				T.	.17			T.				.01			.09	.02	.14	T.					1.02			1.88
akeville‖‖	Upper Del		.21		.10						.02		.03				.01						.02		.13						4.25	1.28	6.05
ancaster	Lower Susq	.26					.20					.41											.11	.08						.45		.05	1.56
ansford‖‖	Lehigh		.24			T.	.06					T	.16			T.							.09		.02			T.			1.63	.0[illegible]	2.29
awrenceville	N. Br. Susq	.60		.08		T.						.05							T.					.20	T.					.35	1.60	.08	2.96
ebanon	Lower Susq	.36				.10	T.					.17										.09		T.			T			.90	T.	.01	1.63
ehighton‖‖	Lehigh			.26			.02	T.						T									.28		.05						1.63	1.23	3.47
ock Haven	W. Br. Susq	.46	.06		.02							.03											.10	.20						.86	1.29		3.02
arcus Hook	Lower Del		.29				*	.50					.20										.02	.19							1.20	.11	2.51
atamoras‖‖	Upper Del		.37																				.04		.14						1.46	3.82	5.83
auch Chunk	Lehigh	.21	.22				.04					.18	.01										.14							.12	1.63	1.44	3.99
orris Run	N. Br. Susq	.60	.05		.05		.02					.02	.03						.02				.08	.35	.02					.78	1.60	.03	3.65
ount Pocono	Upper Del		.30		.10		T.						.10																	.25	4.00	1.70	6.45
uncy Valley	W. Br. Susq	.14	.04									T.											.39	.27						.09	2.13		3.06
eshaminy‖‖	Lower Del	.27				.02	.62	T.				.29	.06										.02	.44						.10	2.70	.65	5.17
ew Park	Lower Susq	.36					.24					.10										.08		.05						1.40		T	2.23
ewport‖‖	Juniata		.06				.22	.03				T.	.07										.16	.05				T.		.05	2.35	T.	2.99
almerton‡	Lehigh	.35				.01	.02				T.	.10			T.				T.				.07	.16						.31	2.56	.81	4.39
aupack‖‖	Upper Del		.33		.25							.10												.08	.10					.03	3.35	.85	5.09
hiladelphia***	Lower Del	.25				.04	.51					.59	.10										.02	.14						.09	1.77	.44	3.95
hila. Navy Yard‖‖	....do		.36				.18	.40					.64										.01	.01	.38						1.41	.49	3.88
hila-P'nt Breeze.‡	Lower Del	.33					.78						.52										.03	.27						.05	1.71	.30	3.99
hoenixville	Schuylkill		.30				.18	.16				T	.20										.02	.08	.30			T.			1.73	.72	3.69
ine Grove	Lower Susq	.20				.02	.07				.02	.21											.11	.22	.01					1.22		.03	2.11
leasant Mount	Upper Del	.33									.03								.07			.11		.33	.02						*	5.07	5.96
ottstown	Schuylkill	.20				.05	.01					.17							T.				.02	.01				T.		.40	.25	.54	1.65
ottsville	Schuylkill		.20				.08					.02	.13										.08	.01						.03	1.20	.25	2.00
uakertown	Lower Del		.25				.12	.07				T.			.22								.12	.31	.01			.01		.07	2.36	3.19	6.73
eading***	Schuylkill	.22				.06	.02					.19	.01						T.				.03	.02				T.		.43	.20	.53	1.71
enovo‖‖	W. Br. Susq		.60	.02	.04							.07	.05							.18			.03		.23	.03				.33	1.47		3.05
etreat	N. Br. Susq	.27										.16	.03						T.				.14	.05						.35	1.26	.13	2.39
cranton***	....do	.22		T.	T.		T				T.	.11							.02				.11	.16	.01					.05	1.59	1.16	3.43
elinsgrove	Lower Susq	.25	.16	.02			.11						.05											.04						.88	.85	.04	2.40
hawmont	Schuylkill		.25				.19	.35					.43										.04	.10	.14					.03	1.76	.20	3.49
hippensburg	Lower Susq	.10	T.				.06					T.	.48		T.								.06	.01	T.					2.75	.05		3.51
now Hill‡‡	Upper Del																																
tate College	W. Br. Susq	.44			T.	T.	.02					.11	T.			T			.08				.06	.21						1.24	T.		2.11
troudsburg‖‖	Upper Del		.58		.10							.04	.12										.10		.05						3.65	1.25	5.89
unbury‖‖	Lower Susq		.40				.11	T.				.05	T.				T.						.11	T.	.05					T.	1.39		2.11
usquehanna‖‖	N. Br. Susq		.31		T.			T.				T.	.09			.01				.09			.04	T.	.22	.02					1.40	2.29	4.47
owanda	....do	.40	T.	.02								.03							.01				T	.59	.03					.26	.81	T	2.15
eikert	Lower Susq	.23					.10																.20							3.07			3.60
ellsboro	W. Br. Susq	.71		T.	T.		T.												T.					.11	T.					1.40	.17		2.49
est Chester	Lower Del						.41						.80										.06	.12	.08						2.75	1.87	6.09
estgrove‖‖	....do		.35				.12	.24					.23										.10		.34						1.50	.02	2.90
ilkes-Barre‖‖	N. Br. Susq		.49		T.							T.	.18							.02			.09	.01	.15	T.					.86	.63	2.43
illiamsport‖‖	W. Br. Susq		.33					T.				.02	T.										.09		.21	T				.04	2.00	.06	2.75
illiamstown	Susquehanna		.21				.15					.02	.22						T.				.16	.11						.44	1.02	T.	2.33
ork	Lower Susq	T.	.35				.35						.28											.02						.19	.83		2.02
ork Haven‖‖	Lower Susq		.34				.24	.07					.49										.12							.05	.84		2.15
onsville..(near).	Schuylkill		.25					.12				.01	.32		T.								.12	.33							1.75	.65	3.55
renton, N. J***	Lower Del	.19				.01	.47	.01				.37	.02						T.			T.	.02	.38	T.			.01		.05	1.77	1.43	4.73

Continued on page 49.

Daily Precipitation for October, 1935—Continued from page 48

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.51	.37	.01								.04	.16			.07			.22	.02			.02	.12	.11					.05	.12		1.82
Beaver Falls‖‖	Beaver	.44	.28	.01	T.							.03	.09						.06	.05			.25	.05	.16					.08	.12		1.66
Bradford	Allegheny	.14	.01	.14								.08			T				.18				.32	.36	T.					.56	.13		1.92
Brookville	do	.34	.67	.04	.06							.06	.07			.02			.11	.09		.04	.15	.15	.03					.13	.09		2.05
Butler	Ohio	.82		.09			T.					.14			.32				.12				.58	.23						.10			2.40
Chambersville	Allegheny	.91		.07	.01		.02					.21	.05			.02			.19				.21	.39						.49			2.57
Clairton‡	Monongahela	.69	.01			T.	T.				T.	.25			.16	.11			.01			.16	T.	.07						.14			1.60
Claysville	Ohio	.80		.04	T		.01					.29	.04			.20			.06	.01		T.	.14	.17						.16			1.92
Confluence‖‖	Youghiogheny		.36													.45									.25					.30	.20		1.56
Corry	Allegheny	.21	.13	.22	.03	.02	.01					.17							.31				.61	.11							.05		1.87
Derry	Conemaugh	.62		.02								.28	.12			.41			.22				.19	.25						.36			2.47
Donora‖‖	Monongahela	.43	.17		.01		T	T				.01	.26	T.		.25			.05	.01			.27	.13						.14	.01		1.74
Ebensburg	Conemaugh																																
Elk Lick	Youghiogheny		.30				.10					.80							.20			.15		.20									1.75
Franklin‖‖	Allegheny	.34	.20	.03								.20	T.							.20			.40	.21						.12	.11		1.81
Greensboro‖‖	Monongahela		.70	T.			.03	T.				T.	1.25			.08				.09	.02		.25	.12	.09					.17	.02		2.82
Greensburg	Youghiogheny	.58	.01	.03	T.	T.	T.					.20	.05			.55			.45			T.	.23	.20						.10			2.40
Greenville	Beaver	.21	.16	.05							T.	.05			T				.26			T.	1.50	.55			T.			.22	T.		3.00
Grove City	do	.48	T	.04	T.						T	.34			T.	.28							.58	.14		T.				.08	.02		1.96
Herrs Isl. Dam‖‖	Ohio	.10	.80	.01				T				T.	.25			.35			.11			.07	.03	.11	.11					.15	.01		2.10
Irwin	Monongahela	.88		.09			T					.18	.15			.60			.38				.44	.18						.22	T.		3.12
Johnstown	Conemaugh	.27		.02		T.	.08					.18			.20	.31			.11			T.	.15	.09						.61			2.02
Kane (near) ‡‡	Allegheny	.54	T.	.08	T	T.						.07							.29			.04	.33	.34	.01					.84	.11		2.65
Kregar‖‖	Youghiogheny	.66		T.		.09	T.					.52			.04				.32			.12	.15	.08					.12	.09			2.19
Lake Lynn‖‖	Monongahela		.57				.08						.75			.05				.17			.16	.13	.11					.15	.05		2.22
Linesville‖‖	Beaver	.15	.08		.07	.09						.14							.24				.42	.10						.27			1.56
Lock No 2‖‖	Ohio	.45	.75	.03									.23			.38			.15	.04			.02	.05	.38					.12	.02		2.62
Lock No. 4‖‖	Monongahela		.61	.02	.02		T.						.31			.16			.04	.01			.35	.14	.03					.16	.01		1.86
Lock No. 5‡‡‖‖	Allegheny	.13	.84	.05	T.			T.				.01	.16			.09			.15	.02			.12	.01	.14					.10	T.		1.82
Lycippus	Conemaugh	.74	T.			T.						.25	.27			.52			.38				.23	.34									2.73
McKeesport‖‖	Monongahela	T.	.68									T	.11			.57			T.	.10			.23	T.	T.					.12	T.		1.81
Meadville	Allegheny	.14				T.						.18							.20			.42		.12						.15	.15		1.36
Mosgrove‖‖	do	.20	.72	.06				T.				.01	.10			.13			.05	.03			.28	T.	.24					.02	.04		1.88
Mount Lebanon	Ohio	.98		.03			T.				.03	.25	T.		.31	.18			.08			.09		.29						.18			2.42
Natrona‖‖	Allegheny	.09	1.01	.05	.02			.01				.01	.31			.13			.16	.06			.09	.04	.17					.11	.02		2.28
New Castle‖‖	Beaver	.41	.17	.03	.01		.02	.01	T.	T.	.01	.08	.11	.02		.54	.01	.01	.10	.05	T.	T.	.38	.24	.03	T.				.11		.02	2.36
Newell	Monongahela	.42	.25			T.	T.					.10	.45		.02	.05							.30	.13						.15	.02	T.	1.89
Parkers Landing‖‖	Allegheny	.05	T.	.12	T.			T.				.02	.01			.20			.04				T.	.06	T					T.	T		0.50
Pennline‖‖‡‡	Beaver	.16	.11	.04	.06	T.	.10					.24	T.						.25	.08			.34	.20						.20	.02		1.80
Pittsburgh***	Ohio	.78	T	.02			T.				T.	.17			.46	.06			.12		T	.11	T.	.17				T.		.14			2.03
Punxsutawney‖‖	Allegheny																																
Ridgway	do	.50	.03		.10						.05					.09			.14	.14			.12	.22						.09	.64	.06	2.18
Saltsburg‖‖	Conemaugh		.71	.02									.20			.52			.05	.04			.41	.04	.05					.05	.04		2.13
Sharon‖‖	Beaver	.33	.12	.03							T.	.14				.03			.02	.16			.63	.09						.10	.09		1.74
Smethport	Allegheny	.10	.50	.10		T	.10				.03		T.		.05	T.	.10	.10	.05	.10				.60	T.					T.	.64	T.	2.47
Somerset	Youghiogheny	.35	.02			T.	.18					.16	.29			T.			.01				.15	.07						.64	.01		1.88
Springdale‖‖‡‡	Allegheny	.04	1.10	T.	T.			T.				T.	.23			.22			.10	.08		.01	.06	.05	.17					.12	.04		2.22
Uniontown	Monongahela	.77				T.	.05					.49	.21			.04			.15				.21	.19						.14	.16		2.41
Unity Reservoir‡‡	Youghiogheny	.65			.05							.28				.80			.55				.30	.22						.10			2.95
Vandergrift‡	Conemaugh	.99		.04								.34			.06	.01			.21			.21		.27						.09			2.22
Warren	Allegheny	.20	.10	.20	.10		.02			.04									.03	.22			.80	.13						.50	.06		2.45
Waynesburg	Monongahela	.76					T.					.50	.36			.16			.12			.23	.16							.14			2.43
Westford‖‖	Beaver	.13	.20	.18	.03						.22	.04					.26					.60	.10						.28				2.04
West Newton‖‖	Youghiogheny	T.	.65		T.		T.	T.				T.	.95			.24			.04	.06			.26	.11						.29	T.		2.60
Lake Drainage.																																	
Erie***	Lake Erie	.34	.02	.05	.02	.32	.05				.10	.04							.32			.10	.12	.10	T.					.17	T.		1.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.17	30.49	16	29.41	3	13.0	38	w.	3	75	66	72	52
Harrisburg	30.20	30.59	16	29.52	3	6.8	22	sw.	29	74	51	60	60
Philadelphia	30.22	30.60	16	29.60	3	12.1	32	s.	3	74	51	63	65
Pittsburgh	30.20	30.56	25	29.50	3	8.9	34	sw.	3	80	51	58	74
Reading	30.21	30.58	16	29.56	3	10.3	32	se.	29	73	51	61	52
Scranton	30.20	30.61	16	29.50	3	6.0	21	nw.	3	79	50	63	64

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.0	6.5	31	1.2	14	18
Phillipsburg	Delaware	0.6	4.9	31	0.0	27	22
Lehighton	Lehigh	2.4	4.3	31	2.2	15	17
Wilkes-Barre	Susquehanna	1.8	3.2	31	1.4	24	20
Williamsport	Susquehanna	0.6	2.4	31	0.3	19	20
Harrisburg	Susquehanna	3.2	3.8	31	3.0	28	17
Greensboro	Monongahela	10.5	12.1	26	10.0	8	30
West Newton	Youghiogheny	0.2	0.6	3	0.1	11	20
Lock No. 4	Monongahela	11.1	13.2	26	10.5	11	30
Pittsburgh	Ohio		11.3	26	9.9	1	25
Beaver Dam	Ohio		10.6*	27	9.1*	2	30

* —Pool stage.

Daily Temperatures for October, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	76	65	71	64	62	49	58	59	64	69	76	62	70	68	67	61	68	76	78	76	75	83	78	60	59	70	71	71	72	69	60	68.0
	Minimum	40	41	38	45	33	42	35	32	32	35	39	49	36	40	51	32	30	38	44	50	49	53	56	41	34	39	50	40	44	60	55	42.0
Altoona	Maximum	60	55	67	51	49	50	53	57	64	69	67	61	71	83	59	61	71	69	72	77	73	77	67	52	57	61	70	69	63	64	60	64.2
	Minimum	41	37	38	36	29	35	23	29	29	35	50	36	38	45	50	33	30	49	41	41	48	56	57	31	25	46	43	41	50	48	40	39.7
Bedford	Maximum	63	58	70	65	51	48	52	57	64	69	73	62	68	80	73	68	71	74	72	74	79	74	52	55	53	61	72	70	66	63	66	65.3
	Minimum	29	33	36	35	24	34	23	29	26	30	50	46	42	52	56	31	27	43	36	52	58	50	33	40	24	43	38	35	54	50	44	38.8
Bellefonte	Maximum	55	57	67	50	48	47	53	58	64	68	70	62	72	81	64	59	73	68	70	75	68	79	70	50	58	62	69	69	63	65	55	63.5
	Minimum	36	37	42	36	25	37	22	24	21	32	51	37	35	46	46	25	25	45	38	48	55	33	42	31	24	47	47	34	56	49	20	37.0
Brookville	Maximum	62	54	56	63	49	47	49	52	61	69	73	60	62	76	81	65	64	76	67	68	74	75	75	61	52	58	60	68	72	59	65	63.6
	Minimum	33	32	31	27	23	21	18	25	24	29	39	32	28	34	36	27	27	36	28	29	35	34	32	26	19	26	33	32	48	47	30	30.4
Butler	Maximum	47	55	62	62	47	50	48	57	67	70	70	60	78	82	80	63	78	73	68	70	76	75	73	50	58	65	70	73	71	63	67	65.4
	Minimum	45	31	42	30	25	27	25	29	25	32	51	31	30	32	47	36	31	52	31	50	44	66	40	29	22	30	39	36	52	41	33	36.6
Carlisle	Maximum	70	71	68	68	60	58	52	60	66	70	75	70	70	72	70	60	72	80	78	86	80	86	77	60	64	66	77	78	64	65	64	69.6
	Minimum	40	45	48	48	28	38	38	29	26	32	50	45	38	48	58	31	39	41	42	44	46	58	56	39	28	38	50	39	52	55	43	42.3
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	68	63	72	65	55	50	57	56	67	70	77	66	69	69	70	64	68	79	75	80	76	82	74	59	60	70	72	74	65	67	60	67.7
	Minimum	43	40	38	41	29	37	28	31	29	31	50	48	43	55	55	36	30	45	47	49	52	61	56	38	29	44	51	39	53	53	45	42.9
Chambersville	Maximum	56	60	67	53	51	51	56	61	72	77	70	62	78	82	71	64	78	66	69	72	77	76	70	54	57	65	69	73	69	65	65	66.3
	Minimum	45	29	39	30	24	28	20	26	31	38	49	35	33	46	46	34	36	55	34	48	48	58	45	30	21	36	38	40	50	47	36	37.9
Claysville	Maximum	64	62	65	55	48	53	55	65	76	72	70	69	83	85	77	70	81	74	71	75	78	79	74	55	61	63	76	80	70	68	75	69.3
	Minimum	46	28	41	27	24	27	22	28	27	38	46	32	38	50	48	36	40	54	48	48	56	59	45	29	25	38	41	44	50	44	36	39.2
Clearfield	Maximum	59	58	85	56	49	54	58	62	70	75	70	68	78	84	72	67	80	75	76	68	75	77	72	53	58	64	70	71	65	66	66	67.8
	Minimum	33	31	36	32	23	30	20	25	24	28	30	34	33	35	47	27	24	32	46	37	60	60	48	28	21	38	40	34	49	48	37	35.2
Coatesville	Maximum	73	61	68	61	60	50	54	60	65	69	77	62	69	67	67	58	63	79	72	76	74	79	72	64	53	67	70	71	72	73	62	66.7
	Minimum	37	39	35	40	30	39	34	30	29	35	50	46	37	41	51	43	30	44	47	45	48	59	57	38	33	39	52	40	50	59	53	42.3
Corry	Maximum	58	55	60	50	48	53	54	61	70	73	62	62	73	81	68	68	78	75	73	71	71	75	63	49	59	69	68	70	64	63	71	65.0
	Minimum	43	28	39	31	33	32	21	21	27	39	45	38	33	38	45	29	36	36	34	35	38	56	41	29	22	35	37	41	50	47	33	35.9
Emporium	Maximum	51	54	62	49	48	48	51	56	65	71	64	59	71	79	64	61	76	68	67	69	72	33	60	51	56	65	65	70	63	62	58	62.2
	Minimum	38	33	35	29	28	30	23	22	23	32	52	38	32	38	45	29	26	44	35	38	35	59	48	30	24	32	40	33	53	49	41	35.9
Erie	Maximum	61	57	57	47	47	46	49	57	69	73	52	55	78	76	54	65	78	68	67	59	76	65	56	48	61	58	65	72	63	63	64	61.5
	Minimum	46	42	42	42	36	37	37	35	40	52	45	44	47	51	46	40	48	54	50	49	54	56	45	39	35	47	50	55	54	51	47	45.7
Franklin	Maximum	58	60	66	52	50	56	60	69	74	74	59	69	80	86	69	71	80	73	73	80	85	79	55	55	63	63	74	75	62	71	75	68.3
	Minimum	33	32	35	34	29	30	25	26	26	28	36	38	33	36	44	30	31	35	33	35	42	53	50	32	22	25	39	38	42	49	37	34.8
Freeland	Maximum	53	48	58	58	44	43	48	59	58	62	64	56	68	72	61	60	66	64	66	70	61	70	67	52	48	62	62	63	63	62	....	59.6[a]
	Minimum	38	35	39	34	30	33	28	28	36	41	50	40	38	51	47	31	36	50	43	50	48	57	59	32	27	43	46	48	52	54	....	41.5[a]
Gettysburg	Maximum	73	63	70	67	58	52	56	59	66	70	78	69	70	76	69	63	66	80	75	82	75	81	76	64	59	71	74	74	64	65	61	68.6
	Minimum	42	38	42	48	29	37	30	31	29	33	51	51	44	56	53	37	29	44	47	49	61	61	59	39	29	43	52	40	49	55	49	43.8
Greensburg	Maximum	60	59	66	50	48	49	52	64	76	74	64	65	80	81	82	73	79	70	68	66	70	68	63	50	50	56	63	69	59	76	72	65.2
	Minimum	47	34	38	34	30	34	25	30	33	40	52	38	37	50	48	36	39	51	44	51	55	59	41	38	27	38	42	44	46	51	41	41.1
Grove City	Maximum	61	56	60	46	45	51	50	63	68	69	62	63	76	80	69	63	76	73	66	74	74	73	71	51	57	59	67	71	66	65	69	64.3
	Minimum	43	30	45	31	29	28	27	32	35	35	47	39	42	55	41	35	42	49	39	46	56	58	42	31	28	40	43	55	52	49	44	40.9
Hamburg	Maximum	75	62	70	66	59	51	53	60	65	68	77	74	69	66	66	60	67	75	75	78	74	80	75	62	58	72	71	70	71	72	67	68.0
	Minimum	41	40	39	41	31	39	35	29	29	34	48	46	36	50	54	34	31	44	45	46	52	61	57	39	31	41	54	42	54	59	54	43.1
Harrisburg	Maximum	69	61	70	55	54	47	52	57	63	67	73	63	69	72	64	58	66	75	72	75	73	78	72	56	57	65	71	70	67	63	62	65.0
	Minimum	46	45	47	43	35	39	36	32	34	40	54	46	44	56	47	37	37	48	47	53	52	62	48	42	37	47	54	47	55	53	50	45.6
Hawley	Maximum	69	55	61	60	53	47	51	56	61	66	68	64	68	76	70	58	70	72	67	67	65	75	69	54	50	66	65	68	66	65	59	63.3
	Minimum	41	36	28	31	24	35	26	20	21	25	45	41	26	35	48	24	20	36	33	41	28	58	46	31	22	37	40	30	44	56	48	34.7
Huntingdon	Maximum	58	61	72	56	51	52	56	60	66	72	73	67	74	83	69	64	75	71	....	....	79	81	69	56	61	63	74	72	65	68	60	66.5[b]
	Minimum	35	32	35	35	24	35	26	27	26	31	39	39	35	44	53	29	24	40	....	....	33	36	50	33	22	50	44	34	50	51	40	36.3[b]
Johnstown	Maximum	56	60	68	50	50	51	56	65	73	79	64	71	82	86	71	67	83	81	73	79	76	78	65	56	59	64	75	73	65	70	70	68.3
	Minimum	38	37	40	35	29	36	27	30	30	36	50	41	42	46	46	33	31	50	39	57	51	60	45	38	39	46	41	39	53	51	41	41.2
Lancaster	Maximum	64	65	69	66	58	50	44	47	51	63	66	67	69	67	70	64	64	80	76	79	74	79	70	64	57	62	73	70	71	71	61	65.5
	Minimum	37	36	37	37	27	39	29	26	26	31	45	49	39	42	47	30	28	39	36	37	43	60	54	32	27	31	45	36	45	50	45	38.2
Lawrenceville	Maximum	59	58	66	58	53	51	54	63	68	76	65	61	74	85	75	66	78	69	75	68	72	80	70	58	58	69	69	72	65	63	64	66.5
	Minimum	41	33	35	34	39	25	20	21	23	31	50	39	30	40	47	28	28	45	32	35	32	40	48	30	22	35	41	33	50	48	48	35.6
Lebanon	Maximum	73	63	71	57	56	46	54	58	65	68	78	65	71	71	67	61	69	78	75	80	73	81	73	58	59	66	73	71	71	64	61	67.0
	Minimum	43	37	42	39	29	39	33	28	29	33	47	50	41	46	51	34	31	43	40	43	51	55	56	39	30	38	50	44	51	56	45	41.7
Marcus Hook	Maximum	71	70	69	62	62	54	58	62	69	76	74	68	70	69	67	63	80	80	78	77	77	76	70	57	72	....	70	73	73	67	62	69.2[a]
	Minimum	45	47	47	40	41	39	37	38	42	54	60	45	50	55	41	40	51	54	55	55	62	61	43	37	47	....	47	57	62	55	56	48.8[a]
Meadville	Maximum	65	57	61	50	46	50	52	60	68	72	67	60	78	80	76	66	77	72	70	72	78	75	71	51	59	59	66	73	70	65	71	65.7
	Minimum	37	32	43	35	34	31	28	25	27	43	47	41	38	53	48	37	40	51	36	42	43	59	44	32	26	36	43	45	52	51	36	39.8
Mount Pocono	Maximum	65	57	60	58	55	45	50	46	51	54	60	66	70	76	62	65	63	64	70	70	61	70	75	70	65	54	64	65	60	63	60	61.7
	Minimum	40	33	40	30	25	32	28	24	30	32	45	35	34	45	45	28	25	28	30	45	41	46	50	50	32	24	32	42	47	52	47	36.7
Muncy Valley	Maximum	58	58	63	62	50	52	51	55	62	66	66	57	68	70	66	60	64	70	69	70	73	76	65	55	52	67	70	73	67	64	62	63.3
	Minimum	38	29	34	28	23	28	21	23	24	30	49	33	28	39	49	26	26	31	34	38	35	58	50	28	23	28	35	42	47	50	42	34.5
Philadelphia	Maximum	72	64	70	61	60	47	56	60	66	69	76	65	69	68	71	59	62	79	72	79	74	78	70	58	55	70	70	71	73	66	63	66.9
	Minimum	49	45	47	47	43	41	38	38	43	48	54	52	46	51	51	43	42	49	54	53	54	61	54	43	38	45	55	51	57	62	54	48.6
Pittsburgh	Maximum	52	57	64	48	47	48	49	62	70	71	60	65	78	81	63	66	76	65	68	72	76	75	66	51	57	63	70	75	62	67	68	64.3
	Minimum	40	36	40	35	33	33	32	35	39	46	46	40	42	56	47	38	45	52	43	54	60	60	41	33	33	41	46	49	52	50	46	43.3
Quakertown	Maximum	70	64	67	60	57	51	52	56	61	66	75	68	67	68	65	57	64	75	70	73	70	75	72	62	53	68	68	68	70	67	63	65.2
	Minimum	39	37	32	40	27	39	33	24	25	28	48	47	30	42	46	33	24	40	42	40	42	59	52	36	29	35	47	35	54	60	52	39.3
Reading	Maximum	74	61	69	56	56	48	52	59	63	69	77	64	70	64	65	58	66	76	74	77	75	80	74	56	56	66	71	70	71	71	61	66.1
	Minimum	49	42	48	44	38	41	36	32	34	38	55	44	40	53	50	40	38	50	51	55	54	64	50	41	35	49	55	47	58	59	56	46.6
Ridgway	Maximum	50	59	62	49	46	49	54	68	73	62	64	78	75	80	60	66	78	68	68	75	74	74	68	54	58	64	68	72	65	64	64	64.6
	Minimum	39	32	31	30	27	26	19	20	23	37	34	28	35	35	43	26	29	45	30	32	36	56	53	30	21	23	35	33	38	50	37	33.3
Scranton	Maximum	70	57	66	55	52	49	49	59	66	69	70	56	70	73	58	63	68	68	70	66	69	75	68	52	53	68	69	70	70	66	59	63.6
	Minimum	44	39	39	40	32	37	33	28	31	36	50	37	34	46	43	32	31	47	43	46	48	60	46	38	34	44	46	42	53	54	54	41.5
Shippensburg	Maximum	65	61	70	69	55	51	56	57	64	68	74	63	68	72	74	62	66	76	72	78	74	79	76	64	58	64	70	70	67	65	64	66.8
	Minimum	42	40	37	38	30	37	29	31	28	34	49	48	41	52	48	33	30	45	49	54	51	61	57	39	29	39	51	39	52	53	42	42.2
Selinsgrove	Maximum	63	63	69	67	65	54	56	60	65	66	73	64	70	71	68	63	65	67	72	74	72	80	78	65	59	67	72	70	75	67	63	67.2
	Minimum	45	37	39	35	27	37	26	27	27	33	52	39	34	48	52	29	29	28	48	36	46	62	58	30	26	40	49	39	52	52	52	39.6
Somerset	Maximum	57	55	64	50	44	45	46	57	65	72	60	65	78	79	70	58	77	64	67	77	70	75	63	48	54	55	69	70	65	62	65	62.8
	Minimum	34	35	31	28	19	31	16	22	20	27	51	43	32	36	49	25	21	45	33	45	45	57	47	30	18	38	42	30	49	46	32	34.7
State College	Maximum	62	52	68	62	55	48	52	58	63	69	70	60	71	78	72	63	69	66	71	74	72	77	69	56	57	62	70	70	64	66	66	64.9
	Minimum	42	35	40	35	29	35	25	27	27	35	54	36	37	50	46	30	33	46	45	50	48	59	58	33	26	35	40	40	52	49	43	40.0
Stroudsburg	Maximum	71	60	65	62	60	58	57	55	57	64	57	72	68	70	63	67	54	62	52	70	78	76	77	58	74	72	72	69	72	65	58	65.0
	Minimum	41	39	32	40	25	34	30	34	22	25	37	40	48	45	42	28	23	34	30	38	55	55	42	37	27	42	34	33	36	58	50	37.3
Towanda	Maximum	56	59	66	55	50	51	51	60	67	72	69	58	74	81	65	60	72	70	73	68	73	80	68	54	56	71	72	73	69	64	62	65.1
	Minimum	43	34	33	35	28	34	26	21	22	30	48	36	30	40	42	28	25	45	35	42	32	61	47	31	27	38	41	35	62	51	44	36.6
Uniontown	Maximum	60	60	70	60	47	49	51	66	73	74	62	67	83	82	72	72	78	68	73	79	79	78	68	57	61	60	74	81	67	69	74	68.2
	Minimum	48	34	42	33	28	37	25	35	32	38	52	45	39	46	53	44	37	56	51	52	59	61	48	34	27	43	43	43	54	51	38	42.8
Vandergrift	Maximum	54	59	69	54	48	52	55	63	72	75	66	64	79	83	68	67	77	71	73	75	80	77	67	58	61	68	71	76	66	68	71	67.3
	Minimum	41	35	40	32	29	29	25	30	31	35	46	37	37	43	46	38	35	44	39	39	49	60	41	33	26	40	38	38	54	45	38	38.5
Warren	Maximum	60	53	57	56	50	47	50	60	62	64	68	69	70	74	54	62	75	76	70	67	72	71	70	49	55	58	62	67	68	68	69	63.0
	Minimum	45	38	44	39	37	38	30	32	40	45	49	46	47	49	34	41	42	52	40	40	55	61	49	37	33	40	44	45	53	53	50	43.5
Waynesburg	Maximum	62	61	67	62	48	52	53	66	74	72	66	68	82	83	76	76	79	72	72	79	79	72	54	....	60	61	74	79	70	70	73	68.7[a]
	Minimum	45	30	54	30	26	31	24	31	26	35	52	42	40	47	51	35	37	53	51	48	60	45	33	....	27	38	41	40	51	47	36	40.2[a]
Wellsboro	Maximum	53	55	62	50	46	48	53	60	65	70	65	57	72	81	61	64	73	70	78	72	72	78	64	50	55	65	67	68	60	64	58	63.1
	Minimum	36	28	30	27	24	23	17	17	25	27	48	47	26	56	40	23	24	39	38	32	38	55	44	24	18	36	41	30	46	45	41	33.7
Williamsport	Maximum	57	61	68	56	52	51	58	58	64	68	68	56	68	73	63	60	67	69	73	76	71	79	61	54	59	69	72	70	65	63	62	64.2
	Minimum	45	36	39	38	27	39	28	26	26	31	54	38	33	41	50	30	27	42	37	39	41	61	53	33	29	45	50	37	54	53	47	39.6
Williamstown	Maximum	69	59	69	67	58	56	57	63	65	68	72	73	75	74	72	71	68	70	74	78	75	77	77	60	54	64	70	68	65	66	60	67.5
	Minimum	44	37	43	36	35	34	28	32	38	43	51	47	42	51	39	34	36	51	49	47	49	58	57	35	29	46	50	50	52	53	49	43.4
York	Maximum	75	62	71	67	57	52	54	57	66	69	78	67	69	71	66	59	69	79	76	77	78	82	76	68	57	69	73	73	67	66	64	68.2
	Minimum	42	35	41	40	29	39	29	27	27	32	49	50	42	51	49	30	29	42	38	41	46	61	58	38	47	35	49	37	47	54	41	41.1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XL. NOVEMBER, 1935. No. 11.

GENERAL SUMMARY.

This was a mild and rainy month. Temperatures were almost constantly above the normal during the first half of the month, and for the month as a whole there was generally an excess on twenty dates. The highest temperature for the month was recorded at most stations on the 4th or 5th, and the lowest on the 24th or 25th. The highest temperature for the State, 85 degrees at Beaver Dam on the 4th, just equaled the previous high record for the last 48 years. The minimum of 5 degrees, at Brookville on the 24th, was not unusual. This was one of the cloudiest months of record, there being an average of 17 cloudy days. At Philadelphia it set an all-time record with 26 percent of possible, which is about half of the normal sunshine for November. At Erie the sunshine was only 13 percent of possible, but that region is subject to a large amount of cloudiness. Precipitation, in measurable quantities, occurred on an average of twelve dates, and in quantity it averaged about thirty percent above the normal. Heavy snow covered the northeastern portion of the State on the 17th and 18th, generally exceeding 15 inches in Luzerne County, and in portions of the adjacent regions. The snow melted rapidly, and practically disappeared before the end of the month. Most of the monthly excess of precipitation occurred in the eastern half of the State. Conditions during the first half of the month were generally favorable for field work, and corn husking made good progress. It was brought to a halt by heavy precipitation from the 16th to 18th, and advanced slowly thereafter. Fodder remained wet, and could not be hauled in and stored, while the top soil was generally too wet for plowing. This condition was met by many farmers hauling manure and making other preparations for winter. At the close of the month considerable field work remained to be done. The only severe or damaging storm during the month was the heavy snow, previously mentioned, which was accompanied by gales of wind. The snow drifted badly, the drifts being too deep in many places for plowing, and traffic had to await the action of shoveling crews. The mild and rainy conditions were favorable for winter grains, especially so for late sown fields, which made a good growth, and became well established for winter.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 90 stations, was 44.4°, which is 3.2° above the November normal. The highest monthly mean was 51.0°, at Marcus Hook, and the lowest 34.5° at Mount Pocono. Extremes for the month ranged fram a maximum of 85° at Beaver Dam on the 4th to a minimum of 5° at Brookville on the 24th. The greatest daily range in temperature was 45° at Butler on the 9th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations of 142 stations, was 3.84 inches, which is 0.98 inch more than the normal for November. The greatest monthly amount was 7.44 inches at Stroudsburg, while the least, 1.18 inches, was recorded at Parkers Landing. The greatest amount recorded in any 24 consecutive hours was 4.07 inches at Hamburg on the 16-17th.

Snowfall for the State averaged 2.5 inches, which is exactly normal for the month. The greatest monthly snowfall was 17.8 inches at Gouldsboro, and the greatest amount in 24 hours was 17.0 inches on the 17th at the same station.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	42.2	+1.0	79	4	3.37	+0.51	6.22	1.99	2.1	11	9	7	14
1889	41.8	+0.6	73	10	6.72	+3.86	10.16	2.72	0.7	15	5	8	17
1890	41.8	+0.6	78	10	1.49	−1.37	4.29	0.78	0.5	8	9	10	11
1891	39.7	−1.5	76	6	2.65	−0.21	5.70	1.09	1.2	9	9	8	13
1892	39.0	−2.2	80	10	4.34	+1.48	7.08	1.61	8.6	12	6	8	16
1893	39.2	−2.0	68	−4	2.93	+0.07	5.69	1.16	2.4	8	8	11	11
1894	38.2	−3.0	74	6	2.50	−0.36	3.64	0.74	5.3	9	10	9	11
1895	42.9	+1.7	78	6	2.48	−0.38	5.73	0.97	0.5	10	10	8	11
1896	46.0	+4.8	83	12	3.55	+0.69	8.05	0.82	1.1	10	8	9	13
1897	41.6	+0.4	76	2	5.28	+2.42	7.04	2.37	2.6	14	6	8	16
1898	40.0	−1.2	73	2	4.03	+1.17	7.34	1.44	6.9	11	8	9	13
1899	41.5	+0.3	72	8	2.66	−0.20	4.86	0.61	1.2	7	10	8	12
1900	43.5	+2.3	79	7	4.10	+1.24	6.92	1.67	3.1	12	6	9	15
1901	36.0	−5.2	76	7	2.56	−0.30	5.00	1.23	3.1	8	7	8	15
1902	47.3	+6.1	78	9	1.53	−1.33	3.02	0.50	1.5	8	10	8	12
1903	36.9	−4.3	78	0	2.18	−0.68	5.33	0.88	1.4	7	11	8	11
1904	38.8	−2.4	79	−4	1.14	−1.72	3.31	0.14	3.5	6	10	9	11
1905	39.1	−2.1	68	5	2.47	−0.39	3.72	1.08	0.9	9	11	8	11
1906	41.5	+0.3	80	9	1.48	−1.38	3.08	0.54	4.0	8	12	6	12
1907	39.8	−1.4	70	4	3.60	+0.74	7.52	1.05	2.9	10	13	8	9
1908	41.2	0.0	75	−2	0.90	−1.96	1.97	0.20	5.0	5	12	8	10
1909	46.4	+5.2	80	15	1.40	−1.46	3.97	0.26	1.9	7	12	8	10
1910	36.8	−4.4	68	9	2.45	−0.41	5.63	0.33	8.5	11	4	7	19
1911	37.8	−3.4	77	7	2.84	−0.02	5.68	0.99	3.7	10	7	7	16
1912	43.0	+1.8	81	7	2.17	−0.69	4.83	0.61	1.9	7	10	8	12
1913	43.9	+2.7	79	10	3.05	+0.19	6.34	1.43	4.5	11	10	5	15
1914	40.6	−0.6	81	−2	1.76	−1.10	4.27	0.57	1.5	6	12	9	9
1915	42.1	+0.9	79	13	2.18	−0.68	5.32	0.22	1.3	10	10	9	11
1916	41.3	+0.1	79	4	2.27	−0.59	7.97	0.88	1.6	9	13	6	11
1917	37.6	−3.6	69	−5	0.63	−2.23	1.37	0.12	1.4	5	14	7	9
1918	42.1	+0.9	76	11	2.03	−0.83	4.07	0.44	T.	7	12	6	12
1919	41.2	0.0	76	11	5.35	+2.49	8.45	1.84	2.3	12	11	7	12
1920	40.3	−0.9	75	5	3.54	+0.68	6.42	1.85	4.5	11	7	7	16
1921	42.3	+1.1	80	3	5.75	+2.89	9.14	3.20	1.4	16	5	7	18
1922	42.9	+1.7	73	12	1.21	−1.65	4.52	0.23	1.8	9	10	7	13
1923	40.7	−0.5	70	10	2.83	−0.03	6.84	1.55	0.3	10	12	5	13
1924	40.7	−0.5	78	−9	1.54	−1.32	3.29	0.56	2.9	7	12	8	10
1925	39.5	−1.7	71	4	3.56	+0.70	6.07	1.50	2.2	10	11	7	12
1926	40.4	−0.8	79	−1	4.49	+1.63	9.84	2.00	0.9	10	9	7	14
1927	46.2	+5.0	85	10	4.95	+2.09	11.36	2.21	1.8	14	7	7	16
1928	43.4	+2.2	81	4	2.32	−0.54	5.71	1.05	2.3	12	7	8	15
1929	41.1	−0.1	81	−10	3.39	+0.53	5.07	1.89	1.9	12	8	8	14
1930	42.0	+0.8	75	−15	1.48	−1.38	4.29	0.22	2.3	9	10	7	13
1931	49.2	+8.0	80	12	1.52	−1.34	4.42	0.36	2.9	9	10	8	12
1932	39.4	−1.8	75	−2	4.75	+1.89	9.11	2.30	0.3	10	12	7	11
1933	38.1	−3.1	83	−11	1.55	−1.31	5.21	0.51	7.0	11	8	7	15
1934	44.9	+3.7	80	6	3.61	+0.75	7.38	1.03	1.8	12	9	7	14
1935	44.4	+3.2	85	5	3.84	+0.98	7.44	1.18	2.5	12	7	6	17
Period	41.2	....	85	−15	2.86	....	11.36	0.12	2.5	10	9	8	13

W. B. O. Philadelphia-12-23-35-1050.

Climatological Data for November, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	28	46.8	+4.4	75	5	24	24	30	5.62	+2.94	2.13	1.6	12	11	10	9	ne.	John A. Frick.
Altoona	Blair	1,615	48	42.4	+2.0	77	5	16	24	29	3.36	+1.13	1.49	T.	11	6	12	12	w.	John J. Martin.
Ardmore	Montgomery	350	15	48.5	+4.3	75	5†	19	24	27	5.59	+2.05	1.80	2.0	12	6	4	20	......	H. L. Balderston.
Arendtsville	Adams	700	13	42.0	−0.7	70	2	21	24	28	3.93	+1.24	1.58	......	11	15	6	9	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	45.0	......	79	5	15	25	31	2.58	......	1.83	T.	8	11	1	18	nw.	Charles C. Lee.
Bethlehem	Northampton	364	50	48.4	+4.2	74	5	23	24	25	7.05	+3.95	2.21	2.0	14	8	0	22	e.	Lehigh University.
Carlisle	Cumberland	467	69	47.9	+6.8	81	5	23	24	34	2.73	−0.38	1.00	3.0	10	12	2	16	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	46.0	+3.6	80	5	21	25	32	4.36	+1.62	1.50	6.2	11	5	9	16	......	W. L. Gearhart.
Center Hall	Center	1,272	39	44.4	+4.2	75	5	18	24	28	3.68	+1.42	2.12	2.5	7	11	2	17	......	Edward E. Bailey.
Chambersburg	Franklin	580	36	47.0	+5.1	79	5	20	25	28	2.92	+0.22	1.44	T.	8	8	6	16	ne.	William B. Spear.
Clearfield	Clearfield	1,120	28	42.2	+1.4	72	4	11	24	38	3.43	+0.38	1.65	1.0	13	8	5	17	nw.	E. W. Hess.
Coatesville	Chester	380	48	46.9	+4.1	75	5	23	24	33	6.39	+3.23	3.40	0.5	11	5	2	23	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	44.5	+2.9	76	5	22	24†	33	4.93	+2.35	2.42	4.9	11	8	4	18	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	42.1	+2.9	69	4	13	24	31	2.88	−0.01	0.87	T.	11	6	8	16	nw	T. B. Lloyd.
Ephrata	Lancaster	380	43	48.0	+5.1	78	5	24	24	27	6.05	+3.58	2.31	T.	8	8	2	20	n.	Ira J. Keath
Freeland	Luzerne	1,970	42	40.4	+3.4	70	5	14	24	25	6.35	+2.67	2.11	17.3	13	6	6	18	nw.	Andrew B Evansha.
George School	Bucks	190	29	49.1	+5.9	74	5	23	24	28	5.17	+2.58	1.36	1.3	23	9	8	13	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	62	47.6	+5.6	77	5	23	27	27	2.90	+0.20	0.48	1.0	12	9	5	16	n.	Dr Henry Stewart
Gordon	Schuylkill	840	31	43.8	+4.2	76	5	19	25	30	4.40	+1.26	1.52	10.0	14	14	0	16	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	36.0	−0.2	63	5	9	24	24	5.63	+2.36	2.55	17.8	12	7	4	19	w	Ronald H. Marshall,
Hamburg	Berks	535	42	47.3	+5.4	77	5	22	24	26	7 40	+4.52	4.07	0.2	10	6	5	19	ne.	State Sanatorium.
Hanover	York	600	31	48.3	+3.7	78	5	23	24	27	4.88	+2.74	1.90	3.0	14	10	6	14	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	47.3	+4.5	76	5	25	24	21	3.19	+0.93	1.27	0.3	11	6	6	18	n.	U. S. Weather Bureau.
Hawley	Wayne	900	17	41.2	+1.7	73	5	15	19	33	4.58	+1.86	2.00	^{1}2.0	12	8	4	18	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	48.8	+4.0	77	5	28	24	24	5.90	+3.58	3.04	8.0	11	7	7	16	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	44.9	+3.2	79	5	14	25	36	2.83	+0.45	1.20	T.	9	5	5	20	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	46.2	+3.9	80	5	13	24	37	2.21	+0.27	1.11	T.	9	9	5	16	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	39.1	......	72	5	15	24	28	2.86	......	1.62	T.	14	4	6	20	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	48	46.7	+3.3	78	5	22	24†	33	5.99	+3.46	2.70	3.0	7	9	11	10	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	41.3	+2.3	71	1†	16	25	32	2.11	−0.22	1.05	2.0	9	7	9	14	......	C. P. Darling.
Lebanon	Lebanon	469	51	46.7	+4.2	79	5	23	24†	25	3.85	+0.96	1.60	4.7	9	13	5	12	se.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	44.8	+2.9	76	5	16	24	27	3.81	+1.40	2.12	1.4	12	2	10	18	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	8	51.0	......	76	4	26	23	23	5.79	......	......	T.	9	10	6	14	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	44.9	+3.9	82	5	24	21	35	6.18	+2.74	2.70	8.4	12	5	10	15	n.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	29	34.5	−1.8	65	5	10	24	32	6.06	+3.05	1.75	^{1}0.0	7	11	6	13	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	23	41.8^{a}	+2.3	72^{a}	6	17^{a}	24	34^{a}	6.33	+3.23	3.67	1.5	8	9	2	19	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	47.4	+5.2	77	5	18	25	32	4.39	+1.97	1.46	1.0	15	6	4	20	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	45.4	......	74	5	23	24	26	5.73	+2.84	2.30	1.9	10	3	9	18	n.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	50.0	+4.3	74	5	25	24	21	4.07	+1.37	1.86	0.4	14	6	4	20	n.	U. S. Weather Bureau.
Phila. Navy Yard	Philadelphia	12	19	49.6	+3.9	78	5	24	24	22	4.68	+2.33	1.43	0.4	8	3	7	20	ne.	Commandant, Navy Yard.
Phila-Point Breeze	Philadelphia	90	9	49.4	+2.1	76	5	25	24	21	4.99	+2.10	2.35	T.	9	6	5	19	ne.	Atlantic Refining Co.
Phœnixville	Chester	100	25	49.2	+6.1	76	5	24	24	37	5.89	+3.02	2.93	T.	13	9	8	13	nw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	50	46.2	+5.0	72	5	23	24	26	6.03	+2.89	2.76	1.2	16	8	5	17	s.	John E. Benner.
Reading	Berks	514	65	48.0	+5.5	77	5	24	24	22	5.23	+2 50	2.49	T	10	4	7	19	n.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	44.3	......	77	5	17	25	28	5.82	......	1.93	^{1}5.0	11	8	4	18	ne.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	43.7	+3.2	76	5	20	24	27	6.16	+3.39	2.18	^{1}2.9	10	3	6	21	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	45.0	+3.3	77	5	22	24	28	5.05	+2.29	2.80	4.0	12	7	6	17	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	49.5	+4.7	74	5	25	24	25	3.89	+1.07	1.91	1.0	15	4	8	18	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	46.7	......	77	5	20	24	31	5.44	......	2.91	6.0	10	9	2	19	ne.	State Teachers College
State College	Center	1,217	51	42.8	+3.0	76	5	18	24	27	4.14	+1.73	2.20	T.	14	4	9	17	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	46.4	+5.9	71	6	20	25	38	7.44	+4.16	3.22	3.5	13	10	5	15	n.	State Normal School.
Towanda	Bradford	754	41	42.4	+2.8	75	5	14	19	31	3.73	+1.56	2.12	4.5	8	5	5	20	e.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	38.6	+1.1	70	1†	12	24†	34	1.70	−0.92	1.05	1.0	9	9	7	14	nw.	George W. Hill.
West Chester	Chester	455	86	48.6	+5.7	75	5	23	24	25	6.33	+2.80	3.30	0.5	12	8	7	15	n.	Joseph W. Belt.
Williamsport	Lycoming	521	49	44.1	+3.0	77	5	22	25	29	4.16	+1.58	2.50	0.2	13	7	4	19	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	20	44.8	+3.0	79	5	18	24	34	3.65	+0.33	1.29	^{1}1.0	12	7	9	14	sw.	Susquehanna Collieries Co
York	York	400	47	47.2	+4.2	79	5	19	25	31	4.46	+1.97	1.96	2.0	13	8	9	13	nw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	46.2	+2.9	85	4	18	24	39	2.41	−0.14	0.70	T.	13	4	4	22	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	39.3	+1.8	76	5	5	24	42	2.87	−0.14	0.60	3.0	10	3	9	18	.....	Frank S. Fawcett.
Butler	Butler	1,077	22	42.0	+1.0	76	4	13	24	45	3.00	+0.12	0.73	1.0	10	6	9	15	nw.	William C. Faust.
Chambersville	Indiana	1,047	5	43.2	+2.1	77	4	8	24	37	4.46	+1.51	2.48	1.0	15	9	0	21	se.	John E. Lewis.
Clairton	Allegheny	1,020	3	43.0	......	75	4	18	24†	41	2.18	......	0.45	1.0	16	2	4	24	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	44.6	+2.5	79	4	12	24	35	2.55	+0.13	0.57	T.	17	8	3	19	w.	J. L. Melvin.
Corry	Erie	1,430	22	39.0	+0.3	75	4	14	25	42	2.21	+2.01	0.46	T.	19	7	6	17	w	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	45.2	+3.3	79	4	14	24	40	3.62	+0.89	0.93	T.	16	8	8	14	sw.	Ted R. Wineman.
Donora	Washington	762	8	45.9	......	75	4	20	24	34	2.54	......	0.99	0.7	13	5	7	18	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	18	40.8	+2.7	72	5	13	24	30	4.23	+1.02	2.09	T.	12	17	2	11	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	42.0	+4.0	73	4	10	25	35	2.13	−1.02	0.60	2.0	5	12	4	14	w.	J. S. Stevanus.
Franklin	Venango	957	61	41.0	+1.4	78	4	16	24†	38	2.42	−0.70	0.55	1.0	11	6	2	22	n.	R. L. Walters.
Greensburg	Westmoreland	1,150	26	44.6	+1.9	77	4	14	24	39	3.00	+0.52	0.70	1.0	15	5	6	19	sw.	Westmoreland Water Co
Greenville	Mercer	950	39	40.1	+0.6	71	4	20	25	28	2.72	−0.35	0.64	1.1	13	8	2	20	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	42.2	+1.8	74	4	19	24	25	2.57	−0.47	0.73	2.0	11	5	5	20	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	11	44.2	+2.2	76	4	14	24	39	3.62	+1.25	1.37	T.	16	11	5	14	......	W. F. Gallagher.
Johnstown	Cambria	1,184	53	44.4	+2.6	78	4	18	25	37	3.25	+0.22	1.26	0.6	14	11	1	18	sw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	3	39.0	......	71	4	13	24	30	3.27	......	0.78	2.0	15	10	3	17	se.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	43	44.2	+1.9	78	11	14	24	32	3.11	+0.37	0.67	3.4	12	4	5	21	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	42.4	+3.6	75	4	21	25	30	2.03	−1.56	0.52	2.0	15	8	0	22	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	42.8	......	78	4	17	24	29	2.57	......	0 54	0.5	12	6	5	19	nw.	Fred Hoffman.
New Castle	Lawrence	808	55	43.0	+3.0	78	5	19	24	33	2.55	+0.15	0.92	0.8	17	3	10	17	sw.	New Castle Water Co
Newell	Fayette	800	15	45.2	+1.6	78	5	18	24	29	2.17	−0.11	0.60	......	9	6	7	17	......	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	43.0	−0.2	76	4	21	25	28	2.10	−0.19	0.30	0.4	14	4	6	20	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	28	39.4	+0.7	74	4	7	24	39	2.29	−0.55	0.43	0.4	11	9	2	19	s.	West Penn. Power Co.
Sharon‡‡	Mercer	940	22	42.0	+0.7	75	4	22	25	31	2.23	−0.24	0.55	0.5	11	3	8	19	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	40.1	+1.3	75	5	9	24	40	2.48	−0.95	0.80	1.7	17	4	10	16	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	45.9	+2.3	80	4	15	24	38	2.55	−0.61	0.56	T.	18	8	8	14	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	43.7	+1.0	78	4	15	24	34	2.65	−0.11	1.08	T.	11	7	11	12	.....	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	42.9	+3.9	71	5	16	24	25	2.52	−0.99	0.60	1.0	15	5	6	19	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	45.0	......	79	4	15	24	40	1.82	......	0.36	T.	8	2	9	19	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	42.6	+1.2	76	4	26	23	27	1.57	−1.73	0.40	0.6	14	0	7	23	s.	U. S. Weather Bureau.
For the State	......	......	....	44.4	+3.2	85	4	5	24	45	3.84	+0.98	4.07	2.5	12	7	6	17	nw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for November, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
llentown‖‖	Lehigh	.08	.02			T.			.12		T.	.03	.10	.48	.25			.60	2.13			.10		T.	T.				.01	1.70	T.		5.62
ltoona	Juniata						.28	.08	.30		.02	.08	.46	1.49		T.	T.	.22	.02		.09		T.					T	.32	T.	T.		3.36
usonia‖‖	W. Br. Susq	T.					.18		.26			.07	.11	1.05	.03		.01	.08	.05		.01			T.	T.				.23	.05	.02		2.15
rdmore	Lower Del	.04	T.	T.	.05			.46				.03	.25				.54	1.80	.86	.02	.13			T.	.10				1.31				5.59
rendtsville	Lower Susq			.06					.40			.09	.06	.83	.10		.01		1.58		.05			.06					.69				3.93
aker's Summit	Juniata						.14	.16	.17			.13	.25	1.51			.03	.16			.13								.38				3.06
edford	Juniata							.19				.05	.14	1.69		.01	.04	T.			.35		T.				T.		.11	T.	T.		2.58
ellefonte	W. Br. Susq					.30	T.	.04	.01		.02	.01	.53	1.72	T.	T.	T	.30	T.	T.								.08	.23		.01		3.25
ethlehem	Lehigh	.04	.03			.03		.10	.06		T.	.04	.18	1.15	.18	T.		2.21	.78		.08			T.					.73	1.44	T.		7.05
loserville‡‡	Lower Susq							.30				.02		1.52			.10	1.12			.05								.60				3.71
uffalo Mills‖‖	Juniata							.11	.19				.07	1.48				.30			.08									.16			2.39
arlisle	Lower Susq	.02				T.		.22	.05			.03	.50	.49			T.	.87	.13	T.	.02		T.						.40				2.73
atawissa‡	N. Br. Susq						.42	.04	.03			.04	.38	.99		T.	T.	1.50					T.					.02	.90	.03	.01		4.36
enter Hall	Susquehanna						.02	.18					.75	2.12				.31											.24		.06		3.68
hambersburg	Potomac							.25					.44	1.00			T.	.62	.04		T.		.04	T.					.47	.06			2.92
learfield	W. Br. Susq					.16	.10	.16	.12		.05	T.	.15	1.65				.12		.10	.14						T.		.46	.17	.05		3.43
oatesville	Lower Del	.03						.34			.01	.18	.30	.71				3.40	.10		.03			T					.95	.34			6.89
olebrook	Lower Susq	.02						.12	.03			T	.32	.47		.02	T.		2.42	T.	.02		T.	.01					1.40	.10			4.93
onshohocken	Schuylkill	.03	T.				T	.43	.01			.05	.20				.02	1.92	.03		.10			.01	.03				.12	1.08			4.03
oylestown	Lower Del					T.		.25			.03	.03	.20	T.				2.14	.06		.04			.02					.23	.80			3.80
mporium	W. Br. Susq					.33		.12	.23		.16		.29	.87			T.	.10		.03	.06			T.			T.	.25	.44	T.	T.		2.88
phrata	Lower Susq	T.						.15			T.	T.	1.21	.73				2.31	.14		.07								1.08	.36			6.05
orest City	N. Br. Susq						.62		.61			.06	.12	1.25	1.24		T.												.20	.62	T.		4.72
reeland‖‖	Lehigh	.17		T.	T.		.09	T.	.12	T.	T.	.06	.06	1.12	.77		T.	.65	2.11		.03			.03					.16	.98	T.		6.35
aleton	W. Br. Susq					.22		.24			.08		.17	.92				.09			.08								.51				2.31
eorge School	Lower Del	.09	.02	.02	.03	.02	.02	.44	.04	.02		.25	.28	.09	.07		.03	1.36	.31		.07	.02		.07	.06			.01	.95	.90			5.17
ettysburg	Potomac	T.						.36	.05			.03	.48	.41			T.	1.00	.03		.01		.01	.01					.50	.01			2.90
irardville‖‖	Lower Susq	.04				.10		.14				.04	.83	.60				.96		.03			.07						1.15		.03		3.99
ordon	Lower Susq	.04					.05	.06	.04		.01	.03	.06	1.42				1.52			.04		.03	.03					.73	.34			4.40
ouldsboro‖	Lehigh					.07			.29			.07	.77	.60			.05	2.55		.03				.02				.17	1.00		.01		5.63
raterford	Schuylkill	.31	T.					.17	.09					.14				2.11	.37		.02			.03	.06				.21	1.32			4.83
amburg	Schuylkill	.03				.01		.11	.01				.72	.70				4.07			.02			T.					*	1.73			7.40
anover	Lower Susq					T.	T.	.37	.03			.01	.43	.61	.02	T.	.02	1.90	.16		.02		.03	.06					.90	.32	T.		4.88
arrisburg***	Lower Susq	T.				T.	T.	.17	.01		T.	.01	.49	.47		T.	.02	1.25		.04	T.		.05	T.			T.	.01	.67	T.	T.		3.19
awley‖‖	Upper Del	.03	.08				.13		.18			.07		.48	.63		T.	T.	2.00		.01	.01		T.					.10	.86	T.		4.58
ollisterville	Upper Del	.04	T.	T.	.01		.18	.44	.20		T	.03	T.	.72	1.05	T.	.02	.02	1.87		T.			.03					.06	.84	.01		5.52
oltwood‖	Lower Susq	.03				T.		.27	.05			.12	.33	.66				3.04	.49		.03			T.					.50	.38			5.90
untingdon	Juniata					.03	.19	.08	.18				.30	1.20				.31		.09	T.								.45	T.			2.83
yndman	Potomac						.02	.33	.09			.05	.31	1.11			.08	.04											.18	T.	T.		2.21
ylertown***	W. B. Susq		T.	T.		.26		.08	.13	T	.04	T.	.82	.93	.01	T.	.02	.13		.06	.02	T.	T.	T.			T	.13	.22	T	.01		2.86
akeville‖‖	Upper Del		.10				.15		.20	T.	T.	.10	T	.48	.75	T.	.01	.02	1.73	.02		T.	.02	.01		T.			.15	.75	T.		4.49
ancaster	Lower Susq							.19				.08	1.07	.68				2.70		.08				T.					1.19				5.99
ansford‖‖	Lehigh	.15				T.	T.		.12				.04	.97	.70			*	2.23		.04			T.	T.				T.	1.05	T.		5.30
awrenceville	N. Br. Susq		T.			T.	.20	T.	.28		T.	.08	.10	1.05			T.	.10	.15		.03								.12	T.	T.		2.11
ebanon	Lower Susq	T.					T.	.15			T.	T	.48	.33	T.	.01	.50	.72			T.		T.					.03	1.60	T.	.03		3.85
ehighton‖‖	Lehigh								.15				.03	.66	1.36			2.31	T.											1.43			5.94
ock Haven	W. Br. Susq						.30		.19		.01		.18	2.12			.03	.30	.15		.07								.36	.08	.02		3.81
arcus Hook	Lower Del	T.	T.	T.	T.	T.	.02		.37			.11	.34	.17				*	3.00		.18			T.					T.	1.60			5.79
atamoras‖‖	Upper Del	.11	.18			.04			.03					1.15	.20			.10	1.02		.04									1.54	T.		4.41
auch Chunk	Lehigh	.10				.09		.06			.04	.02	.43	1.17				2.35	.35		.04								1.30	.23			6.18
orris Run	N. Br. Susq	.03				.10	.18		.20		.03		.04	1.98				.15	.45		.04			T.					.45		T.		3.65
ount Pocono	Upper Del											1.25	.06	1.40	1.20	.10			1.75										.30				6.06
uncy Valley	W. Br. Susq						.65	T.			T.	.22	.20	3.67				.32	.18										.98	.11	T.		6.33
eshaminy‖‖	Lower Del	.10	T.		T.	T.	T.	.44	.02			.19	.27	.07		T.	.30	1.46	.10	.02	.11			.05	.05			T.	1.00	.21			4.39
ew Park	Lower Susq							.45						.98				2.96											1.30				5.69
ewport‖‖	Juniata	T.					.22	.03	.20			.10	T.	1.33			.04	.40	.65		.07			.03					.15	.40			3.62
almerton‡	Lehigh	.03			T.	.02		.07				.02	.52	.99		T.	T.	2.30		.04			T.	T.					1.70	.04			5.73
aupack‖‖	Upper Del	.05	.12				.10		.24			.05		1.00	.38			.40	1.20		.02								.13	.74			4.43
hiladelphia***	Lower Del	.03	T.		T	T.	T.	.40	.02		T.	.03	.28	T.		T.	.39	1.58	.02	.08	.01			.01	.04				1.04	.14			4.07
hila. Navy Yard‖‖	...do	.02	T.			T.	T.	T	.34			.09	.32	T	T.	T.	T.	1.43	.96	T.	08			T.	T.	T			T.	1.44			4.68
hila-P'nt Breeze.‡	Lower Del	.08	T.	T.	T.	T	T.	.33			.05	T.	.30	T.			*	2.79	T.	.09				T.					*	1.35			4.99
hoenixville	Schuylkill	.06	.07			T.		.28	.01		T.	.13	.32	.08	.02			2.93	.66		.03			T.	T.				.11	1.19			5.89
ine Grove	Lower Susq	.02				T.		.12	.02				.36	1.04			.03	2.20		.03	.02		.08					.11	1.10		.02		5.15
leasant Mt.‖‖	Upper Del					.80		.38			.14			2.82					1.46		.04								.91				6.55
ottstown	Schuylkill	.01			T.	T.	.01	.09	.01		T.	T.	.50	.65			.02	2.30		.05				T.				T.	1.30	.05	T.		4.99
ottsville	Schuylkill	.03					T.	.08	.02		T.	T.	.11	1.15	.03			1.05	.44	T.	.01		.04	T.					.38	.26			4.20
uakertown	Lower Del	.08				.05	.02	.16	.02		.01	.02	.24	.31			.03	2.76	.71		.06			.02	T.				.43	1.11			6.03
eading***	Schuylkill	.02			T.	T.	T.	.09	.02		T	T.	.53	.62		T.	.03	2.47		.05			T.	T				T.	1.36	.04	T.		5.23
enovo.‖‖	W. Br. Susq						.23		.25			.06	.12	2.30	.03			.06	.18		.05								.36	.10			3.74
etreat	N. Br. Susq	T.					.33	.03	.06		T.	.05	.13	1.93				1.70	.09		.07		T.	.01					1.28	.14			5.82
cranton***	...do	T.				.37	T.	.05	.09		T.	.01	.36	1.97		T.	T.	2.18	T.	T.	T.		T.	T.		T.		T.	1.03	.01	.09		6.16
elinsgrove	Lower Susq	.03	.02					.52			.04	.04	.07	2.80				.35	.37		.08		.02						.71				5.05
hawmont	Schuylkill	.01	.01		.02	.02		.41	.01			.03	.12	.01	T.		T.	1.91	.15		.08			.02	T.				.25	.84			3.89
hippensburg	Lower Susq							.24	.11			T.	.40	1.12	.01	T.	T.	2.91	T.		.02		.01	T.			T.		.41	.21	T.		5.44
now Hill‡‡	Upper Del																																......
tate College	W. Br. Susq		T.	T.		.28	.03	.08	.19		.07	.06	.47	2.20	T.	T	T.	.25	.06	.02	.02		T.				T.	.06	.35	T.	T.		4.14
troudsburg‖‖	Upper Del		.05		T.	.15						.08	.10	1.10	.08	.03	.04	.20	3.22		2.08		T	T.					.10	.21			7.44
unbury‖‖	Lower Susq	.05	T.				.39		.15			.07	.04	2.94	.34		T	.13	.48		.09			T	T				.19	.69	T.		5.56
usquehanna‖‖	N. Br. Susq		.01	T.	T.		.70		.15			.07	.02	2.09	.94		T.	T	.97		.09	T.							.19	.45	T.		5.68
owanda	...do					.12	.16	T.	.18		T.	T.	.38	2.12	T.	T.	T.	.63	.02	T	T.			T					.12	T	T		3.73
eikert	Lower Susq						.46							2.40			.15			.60					.55				.50				4.66
ellsboro	W. Br. Susq		T.			.05	.04	.02			.05	T.	.02	1.05			T.	.16	.01	T.	T.			T.				T.	.30	T.	T.		1.70
est Chester	Lower Del	.06				.02		.46				.05	.18	.09	.11		T.	3.30	.71		.09			.09					T.	1.17			6.33
estgrove‖‖	...do	.20						.03	.39			.06	.08	.12	.27		.01	1.66	1.44						.02					1.12			5.40
ilkes-Barre‖‖	N. Br. Susq	.02					.44		.06			.03	.02	1.24	.76	T.		.04	2.42		T.	T		.02					.25	.75	T.		6.05
illiamsport‖‖	W. Br. Susq	.03	T.				.15		.25			.03	.05	2.50	.23		.01	.11	.30		.01								.32	.17	T.		4.16
illiamstown	Susquehanna	.02					.02	.12	.10				.25	1.04	.13		.02	.91	.21		T.		T.						.51	.32	T.		3.65
ork	Lower Susq		.03					.27	.05			.03	.38	.48	.01	T.	T.	1.96	.13		.02		.05						.87	.18			4.46
ork Haven‖‖	Lower Susq	.02						.03	.22			.12	.08	.40	.33	.01		.82	.81		.04			.05					.02	1.30			4.25
ionsville..(near)	Schuylkill	.05						.21	.04		.02	.01	.35	.53				2.50	1.00					.10					.24	1.76			6.81
renton, N. J***	Lower Del	.01	T.		T.	T.	T.	.48	.03		T.	.17	.28	.33		T.	.20	1.04	.17	.02	.03			.21	.06			T.	1.05	.19			4.27

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Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio		T.			T.	.48		.24		.02	.10	.23	.70	.01			.09			.05			T.			.01	T.	.37	.09	.02		2.41
Beaver Falls‖‖	Beaver					T.	.41		.23			.06	.22	.65				.09			.05	.01		T.			T.	T.					2.18
Bradford	Allegheny					.26	.02		.21		.22	.07	.29	.49						.03	.18		.05	.04			T.	.04	.45	.06	.01		2.42
Brookville	....do						.60		.46			.25	.19	.47	T.	T.		.03			.11						T.		.50	.20	.06		2.87
Butler	Ohio					.60					.20	.18	.20	.73				.04			.17			T.			T.	.05	.66	T.	.17		3.00
Chambersville	Allegheny					.24	34	.02	.35		.08	.03	.24	2.48				.04		T.	.22			T.			.01	.02	.31	.02	.06		4.46
Clairton‡	Monongahela					.37		.30		.01	.03	.06	.42	.45	.01		.13			.03	.02			T.			.07	.03	.13	.02	.10		2.18
Claysville	Ohio					.47	.02	.03	.32		.06	.08	.57	.28	.01	.01	.05	.03		T.	.13			T.			.07	.17	.22	.03	T.		2.55
Confluence‖‖	Youghiogheny						.15	.25	.20			.10	.15		.60			.15			.10		.15				.08		T.	.10			2.08
Corry	Allegheny	.02	.02			.46			.16		.18	.17	.03	.20	.02				.01	.12	.18	.01	.02	T.	.01			.41	.17	.01	.01		2.21
Derry	Conemaugh					.37	.14	T.	.26		.02	.40	.93	.70	.03		.18	.12		.05	.13			T.			T.	.10	.13	.04	.02		3.62
Donora‖‖	Monongahela					T.	.31		.27	T.	.04	.11	.20	.99	T.			.14	.01		.13						.11		.20	.02	.01		2.54
Ebensburg	Conemaugh					.04	.35	.04	T.		.26	.13	.53	2.09			T.	.07		T.	.26					T.		T.	.35	.09	.02		4.23
Elk Lick	Youghiogheny							.43					.50	.60		.20					.40												2.13
Franklin‖‖	Allegheny					T.	.35		.20		.04	.15	.30	.46				.05			.10								.55	.12	.10		2.42
Greensboro‖‖	Monongahela						.32	.06	.20		T.	.23	.09	.67	.02			.13			.08		T.	T.	T.				.12		T.		1.92
Greensburg	Youghiogheny					.36	.10	.01	.27		T.	.41	.52	.70	.01	T.	.01	T.		.14	.12		T.	T	T.		.05	.11	.15	T.	.04		3.00
Greenville	Beaver					.42			.18		.31	.24	.16	.44	.03			T.		.10	.09			T.				.36	.28	.03	.08		2.72
Grove City	....do					.50		T	.28		T.		.25	.73		T.		.01		.03	.04							.23	.31	.04	.15		2.57
Herrs Isl. Dam‖‖	Ohio						.41		.39			.03	.18	.38	.12			.10			.18	T.	T.	T.	T.		.06		.29	.12	.02		2.28
Irwin	Monongahela		T.			.36	.08	T.	.32		.10	.19	.29	1.37	.06	.04	T.	.12		.08	.19						T.	.15	.22	.03	.02		3.62
Johnstown	Conemaugh					.28		.07	.20		T.	.35	.49	1.26	T.		.07	.02		.05	.12		T.	T.			T.	.06	.22	.05	.01		3.25
Kane (near) ‡‡	Allegheny	.04				.36		.15	.25		.22	T.	.62	.34	.04		.04	.08			.26	.03		T			.02	.04	.78				3.27
Kregar‖‖	Youghiogheny		.01			.43	.03	.13			.24	.18	.94	.03	.02		.23	T		.11			.02	T.		.05		.12	.15	.07	.14		2.90
Lake Lynn‖‖	Monongahela						.31	.11	.22			.07	.11	.43	.01			.02			.05		.01				.03		.11	.08	.05		1.61
Linesville‖‖	Beaver					.42					.17	.07	.21	.38								.07						.28	.46	.02	.10		2.18
Lock No 2‖‖	Ohio						.38		.40		.02	.03	.29	.35				.09			.09						.05	.01	.33	.07	.02		2.13
Lock No. 4 ‖‖	Monongahela			T			.30		.26		T.	.19	.13	.83				.10			.17	.01				.11			.14	.12	.02		2.38
Lock No. 5‡‡‖‖	Allegheny						.51		.36		T.	.12	.10	.88	T.	T.		.06	T.		.17		T.	T.			.01	.01	.29	.10	T.		2.61
Lycippus	Conemaugh		T.			.18	.39	.02	.24		T.	.40	.67	.57	.04	T.		T.		T.	.35						.02	T.	.20		.03		3.11
McKeesport‖‖	Monongahela						.33		.23		T.	T.	.17	.58				.10			.05						T.	.01	.09	T.	T.		1.56
Meadville	Allegheny	.02				.52		.10			.20	.02	.19	.19						.10	.12		.05	.01				.12	.32	.05	.02		2.03
Mosgrove‖‖	....do						.51		.39				.16	.67				.05	T.		.07	T.	T.	T.				T.	.11	T.	T.		1.96
Mount Lebanon	Ohio		T			.54		.36	T.		.06	.08	.49	.24	T.	T.	.18	T		.10		T.		T.			.15	.19	.14	T.	.04		2.57
Natrona‖‖	Allegheny						.51		.35		T.	.11	.17	.81	T.			.05			.24		T.	.02			T	.01	.31	.11	.06		2.75
New Castle‖‖	Beaver				.01	.04	.28		.25	.02	.01	.12	.25	.92	.02	.01		.03	.01		.06	T.	T	T.				T.	.42	.04	.06		2.55
Newell	Monongahela	T.	T.				.35	T.	T	.22	.04	.20	.20	.60				.08	T.		.08		T.						.40	T.			2.17
Parkers Landing‖‖	Allegheny					T.	.08		.02		T.	.03	.09	.21				.03	T.		.12			T.	T				.47	.05	.08		1.18
Pennline‖‖‡‡	Beaver		.09			.37	.09		.01		.16	.03	.87	.13	.03	.02		.02			.21	.06		.06	T.				.47	.18	.04		2.34
Pittsburgh***	Ohio	T.				.39		.33		T.	.05	.04	.46	.24	T.	T.	.08	T		.03	.05	T.		T.		T.	.06	.16	.10	.01	.10		2.10
Punxsutawney‖‖	Allegheny																																
Ridgway	....do						.43		.34		T.	.19	.12	.42	T.	T.		.03	.02		.10	T.		T			T.	.35	.26	.03	T.		2.29
Saltsburg‖‖	Conemaugh						.40		.27		.01	.09	.26	1.49	T.			.12			.26								28	.08	.05		3.31
Sharon‖‖	Beaver		.13			.05	.16		.15			.21	.27	.43	T.						.10			T.			T.		.55	.07	.11		2.23
Smethport‖‖	Allegheny		T.			T	.25		T.			.50		.05	.10	.05	T.			T.	T.	T.		T.			T.	T.	.30	.25			1.70
Somerset	Youghiogheny					.03	.16	.15	.08			.29	.40	.80	.01		.06	.12		.02	.15		.01				.01	.01	.16	.02	T.		2.48
Springdale‖‖‡‡	Allegheny						.55		.40		.04	.09	.12	.64	T.			.06	.01		.23						.03	.02	.32	.11	.23		2.65
Uniontown	Monongahela		T.			.32	.18	.07	.13		.02	.30	.56	.46	.05		.06	.01		.02	.06		.02				.06	.08	.11	.04	T.		2.5
Unity Reservoir‡‡	Youghiogheny					.36	.12	.01	.28		T.	.53	.61	.51	.02			.16		.03	.13							.08	.22	.02	.05		3.1
Vandergrift‡	Conemaugh					.61		.40			.13	.12	.67	.41	T	.01		.07		.08	T.							.10	.05	1	T.		2.65
Warren	Allegheny					.36	.06		.30		.20	.11	.18	.42				.03			.12		.04	.05				.30	.20	.10	.05		2.5
Waynesburg	Monongahela					.22	.11		.28			.26	.20	.28			.11						T						.36		T.		1.8
Westford‖‖	Beaver					.42		.12			.32	.20	.22		.06		.12			.30			.04					.48	.30	T.	T.		2.5
West Newton‖‖	Youghiogheny						.39		.26		T.	.22	.19	1.31	T.	T.		.09	T.		.11							.05		.12	.10		2.84
Lake Drainage.																																	
Erie***	Lake Erie	.08				.25		T.			.10	.17	.24	T.				T.		.16	.10	.03	.01				.01	.16	.19	.05	.02		1.5

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Snow Hill, Analomink; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.11	30.62	24	29.57	28	14.7	37	s.	10	81	76	80	13
Harrisburg	30.12	30.48	24	29.64	28	8.0	21	ne.	17	78	65	70	33
Philadelphia	30.12	30.41	24	29.62	28	14.0	45	n.	17	79	67	71	26
Pittsburgh	30.12	30.62	24	29.66	28	10.1	28	sw.	28	86	72	78	34
Reading	30.12	30.45	24	29.59	28	12.8	35	nw.	18	80	67	74	25
Scranton	30.13	30.51	24	29.62	29	6.4	19	nw.	18	83	71	74	28

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.7	10.0	14	3.1	6	18
Phillipsburg	Delaware	5.8	11.7	30	2.7	13	22
Lehighton	Lehigh	3.9	6.6	28	2.7	12	17
Wilkes-Barre	Susquehanna	8.2	16.4	15	5.1	12	20
Williamsport	Susquehanna	2.4	7.4	13	0.9	7	20
Harrisburg	Susquehanna	5.2	8.4	16	3.8	2	17
Greensboro	Monongahela	11.8	19.4	14	10.8	4	30
West Newton	Youghiogheny	0.6	2.7	14	0.0	8	20
Lock No. 4	Monongahela	12.5	18.5	14	11.2	5	30
Pittsburgh	Ohio		15.8*	15	10.5*	5	25
Beaver Dam	Ohio		20.1	15	9.7*	1	30

* —Pool stage.

Daily Temperatures for November, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	63	71	56	65	75	68	50	61	62	62	72	71	67	59	44	42	38	40	48	53	52	49	37	42	46	46	53	59	43	38	....	54.1
	Minimum	55	56	52	62	53	50	41	43	32	35	51	64	64	44	42	38	33	33	29	32	30	30	32	24	26	31	31	32	38	33	....	39.5
Altoona	Maximum	64	62	57	68	77	57	40	53	58	67	57	61	58	46	36	38	36	44	51	45	48	44	33	39	42	40	44	49	46	29	....	49.6
	Minimum	41	46	44	52	48	36	33	38	30	46	61	54	42	35	34	33	32	30	23	38	30	32	22	16	22	32	25	39	29	25	....	35.3
Bedford	Maximum	65	67	63	70	79	70	48	56	59	64	64	67	62	50	42	40	40	45	51	48	51	46	34	44	46	48	49	54	47	32	....	53.4
	Minimum	41	45	45	52	51	40	36	39	30	48	53	52	47	40	35	36	38	34	23	41	24	33	25	19	15	36	21	43	32	27	....	36.7
Brookville	Maximum	67	68	63	62	76	70	47	44	54	60	62	58	69	45	37	39	41	40	45	66	43	45	50	30	38	39	40	49	51	34	....	50.4
	Minimum	33	37	39	37	39	28	25	27	23	26	30	50	40	32	32	33	32	30	22	27	23	24	19	5	12	13	24	28	30	25	....	28.2
Butler	Maximum	70	66	62	76	75	53	47	63	65	60	59	58	65	40	37	38	40	40	46	51	46	52	45	39	39	42	50	52	61	39	...	51.5
	Minimum	36	45	40	38	53	30	27	31	20	45	45	54	40	32	32	33	33	33	26	37	28	23	23	13	14	30	22	34	26	24	....	32.6
Carlisle	Maximum	68	76	61	62	81	74	53	65	65	63	73	70	64	65	44	42	41	56	55	58	55	45	43	50	50	50	68	62	50	40	....	57.3
	Minimum	47	54	64	51	50	46	40	40	31	40	50	58	48	41	40	39	32	35	26	35	28	35	30	23	24	28	25	40	36	30	....	38.5
Catawissa	Maximum	64	72	66	60	80	73	45	60	61	60	72	67	60	49	45	43	41	43	48	48	52	45	40	44	43	42	51	54	50	40	....	53.7
	Minimum	55	46	50	53	60	41	36	42	30	47	53	52	42	40	38	37	33	32	28	38	29	30	24	22	21	28	30	42	34	32	....	38.2
Chambersburg	Maximum	67	73	63	61	79	72	48	61	61	61	68	69	63	49	44	43	41	51	51	56	51	45	37	42	47	48	50	51	48	37	....	54.6
	Minimum	45	53	48	55	54	45	45	41	33	44	53	68	49	43	39	40	33	35	27	38	29	31	29	21	20	39	26	39	37	31	....	39.3
Chambersville	Maximum	71	67	67	77	71	55	44	54	64	57	61	61	61	46	40	41	42	45	58	56	52	53	34	38	40	39	57	53	43	30	....	52.6
	Minimum	40	46	34	52	53	31	30	36	27	48	52	54	41	32	32	33	32	31	24	37	29	27	20	8	15	30	26	41	27	24	....	33.7
Claysville	Maximum	74	68	75	79	70	53	50	56	67	67	63	62	55	42	40	45	42	42	53	50	54	50	33	40	38	53	63	57	45	30	....	53.9
	Minimum	44	46	43	50	48	31	34	35	32	50	54	54	40	35	32	36	35	35	28	37	27	27	23	12	16	32	28	42	26	24	....	35.2
Clearfield	Maximum	64	68	60	72	61	54	69	54	68	56	57	62	58	46	40	40	46	52	50	45	50	46	36	42	43	40	45	52	50	56	....	52.4
	Minimum	43	43	39	40	43	35	32	28	30	36	35	40	40	32	33	35	32	29	25	35	30	29	22	11	16	25	32	35	28	25	....	31.9
Coatesville	Maximum	61	71	59	66	75	67	45	60	60	65	67	67	67	55	45	42	39	44	52	52	53	51	39	39	47	49	50	62	65	38	....	54.7
	Minimum	64	56	52	51	58	41	39	44	32	32	53	55	48	42	39	37	32	32	29	40	31	30	28	23	26	29	28	45	35	31	....	39.1
Corry	Maximum	60	67	70	75	68	47	50	64	60	57	60	55	43	38	37	40	37	42	51	45	42	35	28	29	40	37	45	49	43	28	....	47.7
	Minimum	44	36	34	33	43	30	23	32	27	33	45	38	32	29	30	33	31	27	29	34	32	24	18	16	14	31	29	35	24	21	....	30.2
Emporium	Maximum	62	58	58	69	68	53	43	52	56	54	60	61	51	40	40	40	40	42	49	48	49	45	42	39	40	40	42	52	42	42	....	49.2
	Minimum	43	48	34	52	53	33	27	35	25	49	50	51	40	35	35	36	35	29	23	40	30	31	23	13	16	33	32	40	30	38	....	35.0
Erie	Maximum	71	49	58	76	69	44	53	48	61	58	58	49	40	40	41	42	43	39	47	47	45	33	30	36	42	41	53	55	37	32	....	47.9
	Minimum	46	44	39	56	42	36	35	40	41	49	46	39	38	37	37	36	37	35	36	35	33	29	26	29	30	38	37	37	28	29	....	37.3
Franklin	Maximum	71	56	65	78	65	54	55	60	64	57	60	56	43	39	40	43	44	49	54	43	48	38	31	44	44	43	55	53	33	30	....	50.5
	Minimum	38	41	41	44	49	31	23	25	26	28	47	53	39	32	32	34	33	32	29	30	26	24	23	16	16	22	27	30	28	25	....	31.5
Freeland	Maximum	61	60	54	54	70	64	45	52	50	53	66	60	59	40	40	39	35	32	39	40	42	39	30	32	34	34	38	49	50	31	....	46.4
	Minimum	51	50	41	45	53	39	35	37	33	39	51	53	37	33	33	30	28	26	23	34	30	28	21	14	18	29	31	38	28	24	....	34.4
Gettysburg	Maximum	63	73	65	63	77	70	50	60	60	64	70	67	65	50	45	42	41	50	53	54	52	47	36	41	51	50	50	54	54	39	....	55.2
	Minimum	51	54	49	55	55	47	39	42	33	43	54	58	49	42	39	38	33	35	28	40	29	30	31	23	25	34	27	46	36	31	....	39.9
Greensburg	Maximum	73	64	72	77	71	60	47	54	67	61	64	62	58	46	40	45	40	40	55	50	54	50	30	37	39	44	61	67	43	29	....	53.3
	Minimum	38	48	41	52	52	34	36	36	28	50	53	58	41	39	33	35	34	34	28	38	31	30	24	14	20	31	28	41	27	26	....	36.0
Grove City	Maximum	68	65	65	74	70	47	47	54	61	59	57	57	53	42	38	41	42	42	47	47	47	47	32	42	40	41	46	54	44	27	....	49.9
	Minimum	46	43	41	50	45	31	35	36	36	46	50	51	38	32	30	33	32	32	30	36	27	24	23	19	20	30	32	41	24	23	....	34.5
Hamburg	Maximum	65	72	61	63	77	71	51	60	58	63	70	65	65	53	46	46	41	42	49	52	51	50	40	39	46	48	48	56	55	38	....	54.7
	Minimum	52	58	52	51	59	47	41	41	32	43	52	57	45	41	39	37	33	32	32	38	32	30	30	22	28	32	30	44	35	31	....	39.9
Harrisburg	Maximum	64	68	62	63	76	65	47	59	59	62	67	66	65	48	43	42	37	50	50	52	50	43	36	41	46	46	50	55	48	36	....	53.2
	Minimum	53	53	50	52	62	45	43	44	38	44	54	58	44	41	39	37	33	37	34	43	36	35	25	25	33	35	36	48	34	32	....	41.4
Hawley	Maximum	59	61	57	55	73	67	45	53	56	52	63	63	59	42	44	38	35	32	46	47	46	42	35	37	38	37	41	51	51	35	....	48.7
	Minimum	51	53	41	38	54	42	30	38	23	31	47	51	41	36	36	33	30	29	15	32	21	21	27	16	16	26	28	40	35	30	....	33.7
Holtwood	Maximum	62	70	64	63	77	68	48	61	61	64	68	65	63	55	48	43	41	48	51	52	54	46	38	41	46	46	48	56	52	39	....	54.6
	Minimum	56	59	55	65	62	44	41	48	39	44	56	58	50	45	42	41	34	36	37	41	36	37	30	28	33	32	29	47	39	34	....	42.9
Huntingdon	Maximum	64	62	59	68	79	74	44	57	60	60	61	66	62	47	40	41	39	50	53	48	51	46	36	43	45	45	57	52	47	33	....	53.0
	Minimum	44	46	47	52	44	38	34	35	30	47	52	56	45	38	37	37	34	35	22	42	34	33	27	17	14	35	27	41	31	29	....	36.8
Johnstown	Maximum	74	62	67	78	77	55	44	56	63	59	64	62	59	47	39	42	41	45	56	50	51	45	34	38	41	39	49	55	44	30	....	52.2
	Minimum	42	48	47	41	47	36	37	39	31	49	54	58	46	37	35	37	36	34	29	39	31	33	24	20	18	34	25	41	28	26	....	36.7
Lancaster	Maximum	64	74	66	62	78	75	64	60	58	62	68	69	66	55	50	45	41	48	52	53	53	51	39	42	44	48	49	56	56	41	....	56.3
	Minimum	50	52	46	50	59	42	44	43	28	32	47	55	50	42	33	38	31	32	25	33	24	26	29	22	22	23	24	45	36	31	....	37.1
Lawrenceville	Maximum	71	65	52	66	71	62	48	56	58	55	60	59	46	40	40	38	38	41	48	47	50	45	35	40	40	40	44	45	48	33	....	49.4
	Minimum	42	46	35	48	56	37	27	31	26	43	46	41	35	33	35	35	30	27	19	40	27	31	22	17	16	31	27	34	31	28	....	33.2
Lebanon	Maximum	65	73	61	67	79	58	50	61	59	64	70	68	64	60	43	45	44	46	50	52	52	45	37	42	47	47	50	55	43	38	...	54.5
	Minimum	50	56	52	52	54	47	39	42	34	39	50	56	60	41	37	37	33	32	26	35	28	29	31	23	26	23	30	36	38	30	....	38.9
Marcus Hook	Maximum	69	67	67	76	74	62	61	63	65	66	70	70	70	55	48	45	46	51	54	54	54	52	43	48	52	51	64	60	47	44	....	58.3
	Minimum	60	57	54	60	54	45	47	42	46	58	57	62	47	43	41	35	35	34	43	37	36	32	26	32	37	36	49	41	35	34	....	43.8
Meadville	Maximum	71	68	63	75	72	47	52	52	62	62	61	65	46	38	39	42	42	42	44	49	50	46	32	38	41	42	46	54	45	31	....	50.6
	Minimum	47	43	41	52	46	32	23	25	32	47	44	35	37	33	34	34	35	33	33	38	29	27	23	24	21	35	33	42	26	26	....	34.3
Mount Pocono	Maximum	50	45	41	40	65	48	43	45	44	48	55	45	36	35	36	35	35	27	40	41	42	35	24	33	33	35	48	42	44	33	....	40.9
	Minimum	40	38	34	32	33	38	30	27	25	23	30	34	31	30	30	31	24	20	18	32	27	25	24	10	20	27	28	35	23	25	....	28.1
Muncy Valley	Maximum	66	61	60	56	70	72	49	56	54	62	62	59	58	41	40	40	37	40	45	45	47	42	34	38	....	37	43	51	40	32	....	49.6[a]
	Minimum	43	46	37	49	56	38	31	33	25	35	47	48	38	35	34	34	31	29	19	34	27	27	24	17	....	26	26	38	32	27	....	34.0[a]
Philadelphia	Maximum	61	67	61	66	74	67	49	63	61	64	67	67	72	54	47	44	39	45	53	55	54	58	40	41	49	50	53	65	48	40	....	55.8
	Minimum	55	59	56	54	61	49	45	49	44	48	58	57	51	47	42	39	34	35	35	45	41	40	28	25	31	39	41	48	37	34	....	44.2
Pittsburgh	Maximum	71	58	68	76	67	49	47	53	64	61	62	60	52	38	38	43	41	40	52	48	52	36	29	36	38	45	58	54	37	28	....	50.0
	Minimum	47	46	44	51	42	33	40	38	36	50	54	52	38	35	33	36	33	34	30	34	31	26	22	21	21	32	34	37	25	24	....	36.0
Quakertown	Maximum	62	68	62	62	72	69	48	58	54	62	65	65	66	54	49	41	39	40	51	50	49	50	42	39	45	45	48	62	58	39	....	53.8
	Minimum	53	57	52	49	52	47	38	42	28	36	51	56	52	43	39	37	33	32	25	36	25	28	30	23	27	28	27	45	37	31	....	38.6
Reading	Maximum	65	72	62	64	77	63	46	60	57	64	69	66	67	55	47	44	38	43	52	51	54	49	36	41	45	47	51	61	45	38	....	54.3
	Minimum	55	53	53	52	63	45	43	45	36	46	55	58	45	42	39	36	33	34	32	42	37	35	27	24	29	38	39	45	35	32	....	41.6
Ridgway	Maximum	70	56	64	74	65	50	44	56	60	55	59	60	52	39	40	39	38	46	55	41	49	37	29	39	39	38	48	54	35	30	....	48.7
	Minimum	37	39	32	35	55	32	25	30	24	27	50	52	39	32	32	34	33	28	23	28	27	24	17	7	10	18	26	35	30	26	....	30.2
Scranton	Maximum	64	59	62	61	76	56	47	54	59	59	66	64	47	43	43	40	38	36	47	47	50	40	33	38	39	41	48	55	46	34	....	49.7
	Minimum	56	50	45	51	56	39	38	38	32	45	55	47	38	38	37	36	29	32	24	39	29	32	22	20	26	34	35	46	33	29	....	37.7
Shippensburg	Maximum	65	72	67	63	77	75	54	59	59	61	69	69	63	51	48	41	40	51	53	52	50	49	37	40	47	47	47	54	49	36	....	54.8
	Minimum	44	54	48	53	50	44	39	41	32	41	52	57	49	43	39	37	32	32	28	36	31	31	29	20	24	37	26	43	35	30	....	38.6
Selinsgrove	Maximum	66	66	60	62	77	73	52	51	60	58	64	65	64	45	42	42	42	47	48	50	50	49	41	39	43	42	47	53	49	38	....	52.8
	Minimum	48	54	46	45	57	45	38	29	32	36	52	56	43	39	38	36	32	32	26	38	30	30	26	22	26	26	27	45	34	26	....	37.1
Somerset	Maximum	72	62	60	73	75	55	40	52	57	59	63	60	59	43	37	36	35	35	55	47	50	43	28	34	40	42	52	52	39	25	....	49.3
	Minimum	35	39	40	44	52	31	29	34	22	33	50	55	41	34	29	32	31	30	21	34	20	28	20	9	10	28	12	39	25	20	....	30.9
State College	Maximum	64	60	56	64	76	62	52	53	56	56	59	64	59	49	41	39	35	47	49	46	49	43	36	39	42	43	47	52	42	43	....	50.8
	Minimum	42	43	41	53	49	35	34	38	29	37	51	53	39	33	33	33	30	30	24	39	32	31	24	18	19	33	26	41	32	25	....	34.9
Stroudsburg	Maximum	70	68	69	70	69	71	54	57	65	65	68	68	65	54	52	38	37	38	44	45	47	50	42	40	44	50	52	55	49	52	....	54.9
	Minimum	52	58	50	54	50	48	47	40	27	32	40	50	50	42	38	35	32	32	24	32	28	24	30	28	20	31	38	40	31	34	....	37.9
Towanda	Maximum	66	59	57	63	75	58	46	56	59	58	66	64	43	42	46	40	38	37	42	51	52	45	33	38	44	41	47	55	46	34	....	50.0
	Minimum	45	50	37	54	57	35	31	33	28	41	51	42	37	36	36	36	31	22	14	39	29	30	22	17	21	35	27	45	32	30	....	34.8
Uniontown	Maximum	75	63	77	80	75	55	49	58	69	65	66	64	59	43	41	45	40	40	56	51	55	46	33	37	40	54	65	59	42	29	....	54.4
	Minimum	43	51	46	48	54	35	38	39	32	53	55	59	43	39	35	38	38	37	27	40	27	31	24	15	18	32	27	42	29	26	....	37.4
Vandergrift	Maximum	73	59	71	78	69	53	48	56	65	59	63	61	55	40	40	44	43	46	56	51	53	40	31	40	43	42	56	56	42	32	....	52.2
	Minimum	40	49	40	44	47	35	35	36	33	33	56	54	39	36	35	37	35	35	28	36	31	28	26	15	19	30	27	40	29	29	....	35.2
Warren	Maximum	68	65	68	69	71	58	50	51	52	57	57	61	46	48	41	41	43	42	50	48	42	45	34	33	33	40	44	46	46	35	....	49.5
	Minimum	44	46	43	53	58	36	41	46	29	45	50	43	38	29	36	35	30	30	34	32	35	28	24	16	23	30	33	34	35	32	....	36.3
Waynesburg	Maximum	75	66	76	79	72	54	50	58	66	68	63	61	57	42	39	46	41	40	55	51	54	50	34	39	38	54	65	58	45	30	....	54.2
	Minimum	40	46	45	52	52	32	36	38	28	52	54	56	41	38	34	36	37	36	28	28	28	29	24	15	17	33	25	44	28	25	....	35.9
Wellsboro	Maximum	70	55	53	64	70	55	42	53	55	52	60	62	43	39	37	38	36	38	45	44	47	40	33	37	39	39	43	50	40	31	....	47.0
	Minimum	36	43	30	47	50	30	24	30	21	37	42	40	35	30	32	32	28	25	17	35	27	27	20	12	12	23	25	37	31	25	....	30.1
Williamsport	Maximum	64	61	53	60	77	65	43	57	58	58	60	62	57	44	42	40	45	45	46	48	56	45	38	41	40	42	47	54	47	34	....	50.8
	Minimum	46	50	41	48	57	42	36	39	29	46	52	53	41	39	38	37	33	33	25	41	32	31	25	23	22	27	28	45	33	29	....	37.4
Williamstown	Maximum	63	71	70	72	79	75	50	57	59	62	70	66	62	49	43	42	41	44	45	46	49	45	39	45	43	41	44	54	52	37	....	53.8
	Minimum	50	55	45	47	54	41	36	37	37	39	43	41	39	35	33	33	30	29	27	37	30	30	24	18	22	33	34	41	32	24	....	35.8
York	Maximum	64	73	67	63	79	72	50	60	61	64	70	70	65	52	47	42	42	49	54	55	53	46	38	40	48	49	50	57	56	40	....	55.9
	Minimum	47	58	46	51	60	48	35	39	30	36	53	59	48	42	35	39	33	33	26	38	26	28	32	25	19	24	26	48	38	31	....	38.4

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XL. DECEMBER, 1935. NO. 12.

GENERAL SUMMARY.

December temperatures were generally moderate until the 19th or 20th, when a period of steady, intense cold began and continued to the end of the month. During that time the temperatures were constantly from ten to twenty degrees below the normal, with no thawing, and the month as a whole gave an average deficiency of 4.8 degrees. This cold period was near the record for duration and steady intensity, although no records for extreme cold were broken, and there were no cold waves during the month. The precipitation averaged nearly twenty per cent below the normal with the greatest and most general deficiencies in the eastern half of the State. In fact there were a fairly large number of stations in the western counties that reported small to moderate excesses. The snowfall average was the greatest for any December since 1917, being 5.3 inches more than the December normal. Amounts ranged from a little more than five inches up to a little more than thirty inches, with an excess in nearly all parts of the State. Moderate snows occurred in the western counties at the beginning of the month, and again from the 10th to the 13th, and were of frequent occurrence during the last half of the month. In the eastern half of the State there was little snow before the 20th, and most of the snowfall occurred with a coast storm during the last week. This storm was not severe or damaging except for the fact that its attendant snowfall was generally heavy and drifted badly in many places, thus blocking the highways and causing many serious delays to traffic. Secondary highways were closed for several days. Fields in the eastern half of the State had little uniform snow covering before the 20th, but temperatures were generally favorable for the winter grains, which appeared to be in good condition. The month was unusually cloudy, with an average of nineteen cloudy days. At Erie the sunshine was only nine per cent of possible. Conditions were largely unfavorable for outdoor work of all kinds, which generally made slow progress, and especially so during the cold period before mentioned. Field work on the farms was closing up rapidly at the beginning of the month. Corn husking was nearly finished, and about the only field work left was the hauling of fodder from the fields, and the hauling of manure. Streams were generally at moderate stages during the month, but the surface water supply was ample for all needs.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 88 stations, was 26.3°, or 4.8° below the December normal. The highest monthly mean was 33.0°, at Marcus Hook, and the lowest 17.8° at Gouldsboro. The highest recorded during the month was 60° at Ardmore, Neshaminy Falls and Philadelphia Navy Yard on the 9th. The lowest recorded was —19° at Somerset on the 22d. The greatest daily range in temperature was 41° at Lawrenceville on the 31st.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the records of 139 stations, was 2.62 inches, which is 0.54 inch less than the normal for December. The greatest monthly amount was 4.89 inches at Ebensburg, and the least was 1.08 inches at Matamoras. The greatest amount recorded in any 24 consecutive hours was 1.20 inches at West Chester on the 29-30th.

Snowfall for the State averaged 13.5 inches, which is 5.3 inches more than the normal for December. The greatest total snowfall for the month was 34.5 inches at Penn Line. The greatest 24-hour snowfall was 12.0 inches at West Chester on the 29-30th.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	32.5	+1.4	62	−10	3.14	−0.02	5.57	1.44	5.2	9	8	8	15
1889	39.6	+8.5	73	0	2.77	−0.39	5.05	0.85	0.9	12	11	9	11
1890	27.2	−3.9	59	−11	3.97	+0.81	9.68	1.72	29.4	12	7	8	16
1891	38.4	+7.3	68	−3	4.09	+0.93	6.53	2.00	0.3	10	12	8	11
1892	27.8	−3.3	70	−13	1.69	−1.47	4.37	0.40	5.7	9	7	9	15
1893	32.2	+1.1	70	−7	3.06	−0.10	6.07	1.41	9.4	12	6	11	14
1894	32.4	+1.3	66	−28	3.95	+0.79	5.93	2.27	11.9	10	10	9	12
1895	34.2	+3.1	70	−10	3.22	+0.06	6.55	1.40	2.3	7	10	9	12
1896	30.6	−0.5	67	−13	1.20	−1.96	2.62	0.40	5.4	6	10	9	12
1897	33.0	+1.9	73	−6	3.95	+0.79	6.25	1.28	9.6	12	6	8	17
1898	29.8	−1.3	68	−11	2.98	−0.18	4.79	1.31	8.7	10	10	8	13
1899	31.5	+0.4	73	−11	3.04	−0.12	6.00	1.18	4.4	10	10	11	11
1900	31.2	+0.1	65	−2	2.08	−1.08	4.16	0.40	3.9	7	8	9	14
1901	29.1	−2.0	77	−18	5.91	+2.75	10.26	2.62	7.6	11	7	9	15
1902	28.4	−2.7	68	−12	5.54	+2.38	8.51	1.97	17.3	14	7	7	17
1903	25.4	−5.7	60	−14	2.66	−0.50	4.83	0.92	13.2	9	8	9	14
1904	25.8	−5.3	71	−19	2.48	−0.68	3.71	1.32	14.4	11	7	7	17
1905	33.6	+2.5	65	−5	3.57	+0.41	5.48	0.95	2.2	8	10	7	14
1906	30.8	−0.3	67	−14	3.97	+0.81	7.08	1.69	7.6	14	5	5	21
1907	33.2	+2.1	68	−8	4.30	+1.14	7.89	1.85	9.8	12	7	8	16
1908	32.0	+0.9	74	−2	2.86	−0.30	4.61	1.26	9.4	10	9	8	14
1909	27.0	−4.1	71	−10	3.39	+0.23	8.50	1.19	12.7	8	9	8	14
1910	24.4	−6.7	68	−14	2.65	−0.51	4.41	0.64	16.0	12	8	6	17
1911	36.3	+5.2	70	5	3.27	+0.11	5.99	0.75	5.4	13	7	5	19
1912	34.4	+3.3	74	−8	3.27	+0.11	6.48	1.70	8.1	9	9	7	15
1913	34.2	+3.1	66	−7	2.63	−0.53	4.11	0.69	7.2	8	9	7	15
1914	27.3	−3.8	69	−28	4.63	+1.47	7.74	2.43	13.0	14	8	5	18
1915	29.4	−1.7	70	−7	4.06	+0.90	6.53	1.36	13.7	12	6	8	17
1916	29.7	−1.4	73	−12	3.07	−0.09	6.38	0.59	10.5	12	11	9	11
1917	21.5	−9.6	52	−28	1.78	−1.38	5.16	0.60	15.0	8	10	8	13
1918	36.6	+5.5	72	−1	3.38	+0.22	5.74	0.90	3.0	11	9	7	15
1919	25.3	−5.8	66	−23	2.61	−0.55	4.75	0.95	9.4	11	9	8	14
1920	33.4	+2.3	68	−7	3.28	+0.12	6.77	1.58	3.8	10	7	9	15
1921	31.6	+0.5	66	−11	2.59	−0.57	6.25	0.91	7.2	10	8	8	15
1922	31.5	+0.4	69	−9	2.75	−0.41	4.55	1.19	7.1	10	10	8	13
1923	39.6	+8.5	71	1	4.99	+1.83	8.55	2.42	2.4	14	9	7	15
1924	29.8	−1.3	69	−23	2.13	−1.03	4.42	0.56	3.6	11	7	7	17
1925	30.7	−0.4	62	−15	1.72	−1.44	8.93	0.69	3.8	10	8	7	16
1926	27.3	−3.8	62	−20	2.58	−0.58	4.61	0.90	10.0	12	8	7	16
1927	32.7	+1.6	73	−6	4.41	+1.25	8.93	2.16	4.5	13	9	6	16
1928	34.4	+3.3	68	−2	1.16	−2.00	2.57	0.28	0.9	6	13	7	11
1929	32.2	+1.1	70	−9	2.77	−0.39	4.95	1.21	10.0	12	7	6	18
1930	30.0	−1.1	59	−15	2.29	−0.87	4.06	0.82	6.8	10	6	7	18
1931	38.1	+7.0	70	−1	2.85	−0.31	5.49	1.27	1.1	11	10	6	15
1932	33.3	+2.2	72	−14	2.19	−0.97	4.14	0.51	7.4	12	10	6	15
1933	31.7	+0.6	74	−22	2.88	−0.28	6.01	1.30	8.7	12	9	7	15
1934	30.7	−0.4	73	−10	2.55	−0.61	5.63	0.84	3.0	10	9	8	14
1935	26.3	−4.8	60	−19	2.62	−0.54	4.89	1.08	13.5	16	5	7	19
Period	31.1	....	77	−28	3.16	....	10.26	0.28	8.2	10	8	8	15

W. B. O. Philadelphia-1 31-36-1050.

Climatological Data for December, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	23	28.2	−4.0	55	9	8	29†	25	1.61	−1.82	0.51	8.2	10	14	9	8	ne.	John A. Frick.
Altoona	Blair	1,615	48	24.0	−5.7	49	9	−5	26	24	3.80	+1.38	0.57	19.1	17	4	11	16	w.	John J. Martin.
Ardmore	Montgomery	350	15	29.4	−4.6	60	9	7	26†	22	1.96	−1.35	0.72	8.5	10	6	9	16	......	H. L. Balderston.
Arendtsville	Adams	700	13	....	......	......	......	......	......	......	......	......	......	....	....	....	....	....	......	Dr. S. W. Frost.
Bedford	Bedford	1,060	3	26.8*	......	52	9	−2	26	26	3.48	......	0.90	21.4	10	5	3	23	nw.	Charles C. Lee.
Bethlehem	Northampton	364	50	28.9	−4.4	55	9	8	26	20	1.63	−1.69	0.41	7.5	12	6	0	25	nw.	Lehigh University.
Carlisle	Cumberland	467	69	29.4	−2.1	58	9	4	26	23	3.24	+0.40	0.79	11.0	14	9	7	15	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	39	26.8	−4.7	54	9	−3	31	35	2.21	−0.58	0.45	12.3	16	4	7	20	......	W. L. Gearhart.
Center Hall	Center	1,272	39	25.5	−4.2	46	8	−4	26	32	4.10	+1.57	0.92	12.5	13	9	3	19	......	Edward E. Bailey.
Chambersburg	Franklin	580	36	29.0	−4.0	57	9	3	26	22	2.87	+0.24	0.61	12.0	15	4	12	15	nw.	William B. Spear.
Clearfield	Clearfield	1,120	28	25.5	−4.1	48	7†	−6	29	31	3.33	+0.37	0.63	17.0	17	1	9	21	w.	E. W. Hess.
Coatesville	Chester	380	48	28.1	−4.6	57	9	5	26†	23	2.31	−1.60	0.47	10.3	12	7	4	20	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	24	25.8	−5.8	50	9	0	26	24	2.72	−0.51	0.78	9.7	16	8	6	17	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	48	25.3	−3.8	49	9	−11	29	25	3.72	+0.49	0.61	17.2	21	4	7	20	w.	T. B. Lloyd.
Ephrata	Lancaster	380	43	28.7	−3.5	55	9	6	26†	20	2.40	−0.82	0.40	9.7	12	6	3	22	n.	Ira J. Keath
Freeland	Luzerne	1,970	42	21.8	−5.3	44	9	−4	26	24	2.24	−1.22	0.81	11.7	14	5	2	24	nw.	Andrew B Evansha.
George School	Bucks	190	29	29.3	−3.7	58	9	7	29†	25	1.61	−1.76	0.38	9.3	10	13	6	12	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	62	29.6	−2.6	57	9	4	26	24	1.75	−1.46	0.67	9.7	12	8	9	14	w.	Dr Henry Stewart
Gordon	Schuylkill	840	31	25.8	−3.2	52	9	−1	29	25	2.75	−1.07	0.36	15.0	17	11	1	19	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	20	17.8	−8.3	45	9	−7	29	28	1.47	−1.36	0.27	9.0	11	8	7	16	nw.	Ronald H. Marshall.
Hamburg	Berks	535	42	28.6	−3.1	57	9	5	26	23	2.61	−0.98	1.05	11.0	13	7	6	18	nw.	State Sanatorium.
Hanover	York	600	31	29.6	−4.6	58	9	4	26	23	2.65	−0.40	0.61	13.3	14	7	7	17	nw.	Thomas Y. Cooper.
Harrisburg	Dauphin	361	66	29.1	−3.6	56	9	5	26	19	2.21	−0.81	0.65	7.5	13	3	9	19	w	U. S. Weather Bureau.
Hawley	Wayne	900	17	22.6	−6.2	47	9	−6	31	32	1.22	−1.66	0.31	7.3	13	11	6	14	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	20	30.2	−4.0	55	9	7	26	18	2.47	+0.11	0.70	12.0	10	6	9	16	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	48	27.3[a]	−4.3	53[a]	9	1[b]	26	27[a]	2.72	−0.21	0.61	6.6	12	2	9	20	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	23	27.4	−5.0	56	9	−2	22†	29	2.48	−0.08	0.94	6.0	9	4	7	20	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	4	22.3	......	47	9	−6	26	21	2.64	......	0.80	16.9	24	2	4	25	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	48	27.6	−5.8	58	9	0	29	28	2.70	−0.42	0.49	13.5	12	7	12	12	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	38	23.0	−5.7	47	9	−11	29	41	1.85	−0.15	0.80	14.5	12	7	4	20	......	C. P. Darling.
Lebanon	Lebanon	469	51	27.4	−4.6	57	9	4	26	23	2.34	−1.06	0.66	9.5	13	6	14	11	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	45	27.8	−3.2	50	9	0	26	27	2.66	−0.30	0.78	5.0	15	5	8	18	nw.	Joseph Beaver.
Marcus Hook	Delaware	50	8	33.0	......	59	8	9	25	23	2.13	......	0.74	11.2	7	15	6	10	w.	Sun Oil Co.
Mauch Chunk	Carbon	600	46	26.1	−4.5	54	9	2	26	33	2.00	−2.00	0.53	7.0	15	7	10	14	nw.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	29	18.4	−7.4	42	8	−5	24	23	2.14	−1.44	0.66	14.0	7	2	9	20	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	23	22.0	−6.0	47	9	−7	29	35	2.35	−0.49	0.56	8.0	9	7	3	21	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	46	27.6	−4.1	60	9	2	31	28	1.34	−1.93	0.26	8.7	13	10	4	17	sw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	17	26.5	......	54	9	3	29	24	1.41	−0.94	0.46	7.2	12	5	12	14	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	155	64	31.5	−4.8	59	9	9	26	16	1.55	−1.88	0.70	8.6	12	6	9	16	nw.	U. S. Weather Bureau.
Phila. Navy Yard	Philadelphia	12	19	30.4	−4.8	60	9	9	26†	23	1.66	−1.44	0.61	10.0	8	3	11	17	w.	Commandant, Navy Yard.
Phila-Point Breeze	Philadelphia	90	9	31.3	−4.7	57	9	10	26†	15	1.28	−1.12	0.58	9.0	10	9	3	19	nw.	Atlantic Refining Co.
Phœnixville	Chester	100	25	29.6	−3.5	59	9	−2	31	33	2.15	−0.97	0.90	11.5	9	7	15	9	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	50	27.1	−4.1	53	9	3	29	23	1.94	−1.50	0.50	8.3	10	8	11	12	nw.	John E. Benner.
Reading	Berks	514	65	29.7	−2.5	56	9	7	26	20	1.91	−1.65	0.53	9.1	14	6	10	15	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	2	24.7	......	50	9	1	26†	24	1.94	......	0.70	14.0	11	7	6	18	nw.	Theodore J. Sampson.
Scranton	Lackawanna	805	41	25.3	−5.4	49	9	3	29	20	1.65	−1.37	0.27	10.5	18	2	8	21	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	45	28.2	−3.3	55	9	1	26	27	2.52	−0.52	0.64	6.0	14	6	12	13	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	39	30.0	−5.1	55	9	9	29	23	1.35	−2.22	0.36	10.0	10	4	9	18	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	2	28.3	......	55	9	3	26	23	2.97	......	0.56	11.5	13	6	7	18	ne.	State Teachers College
State College	Center	1,217	51	25.4	−4.3	52	9	−5	26	26	3.31	+0.69	0.79	14.2	14	0	11	20	w.	C. A. Kern.
Stroudsburg	Monroe	500	21	26.4	−3.3	48	12†	−3	28	34	1.49	−1.84	0.61	5.3	6	14	8	9	n.	State Normal School.
Towanda	Bradford	754	41	23.8	−5.0	51	9	−7	29	26	2.00	−0.24	0.57	12.5	22	3	8	20	nw	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	65	21.0	−6.9	50	9	−12	29	31	2.00	−0.46	0.63	9.7	16	10	7	14	n.	George W. Hill.
West Chester	Chester	455	86	29.6	−3.5	56	9	7	29	19	2.84	−1.06	1.20	16.0	9	13	5	13	nw.	Joseph W. Belt.
Williamsport	Lycoming	521	49	26.4	−4.3	52	9	0	26	23	2.25	−0.67	0.85	10.4	15	11	1	19	w	Miss Veronica E. April
Williamstown	Dauphin	1,275	20	26.8	−4.2	56	9	−3	26	28	1.63	−1.16	0.39	10.5	11	4	9	18	sw.	Susquehanna Collieries Co.
York	York	400	47	28.6	−4.5	58	9	3	29	24	2.46	−0.47	0.58	13.0	13	10	10	11	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	43	27.6	−5.4	51	7†	−4	26	31	2.66	−0.05	0.47	11.7	17	1	2	28	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	45	22.4	−5.5	47	9†	−13	29	34	3.85	+0.90	0.62	16.7	25	0	5	26	......	Frank S. Fawcett.
Butler	Butler	1,077	22	.....	......	......	......	......	......	......	......	......	......	......	....	....	....	....	......	William C. Faust.
Chambersville	Indiana	1,047	5	24.4	−6.4	50	9	−10	22	29	3.25	−0.08	0.53	23.2	21	3	0	28	w.	John E. Lewis.
Clairton	Allegheny	1,020	3	24.7	......	51	7†	−6	26	25	2.41	......	0.90	12.3	16	1	4	26	s.	Carnegie Steel Co.
Claysville	Washington	1,150	30	25.6	−6.8	52	7	−4	26	32	2.94	−0.04	0.77	15.1	22	6	4	21	n.	J. L. Melvin.
Corry	Erie	1,430	22	21.2	−7.1	46	9	−17	29	27	4.47	+1.04	0.71	30.9	26	0	0	31	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	38	26.3	−5.6	52	9	−5	22	27	3.44	+0.16	0.45	14.6	20	2	11	18	w.	Ted R. Wiueman.
Donora	Washington	762	8	29.8	......	58	8†	0	21	24	2.82	......	0.48	7.5	18	2	9	20	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	18	23.4	−4.7	49	9	−8	26	27	4.89	+2.35	0.80	28.2	17	4	13	14	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	18	23.6	−5.6	48	10	−12	26	40	3.30	+0.21	0.80	25.0	9	7	8	16	w.	J. S. Stevanus.
Franklin	Venango	957	61	25.1	−4.2	50	8	−4	26†	30	2.81	−0.52	1.15	16.0	16	0	0	31	s.	R. L. Walters.
Greensburg	Westmoreland	1,150	26	26.7	−5.8	53	7	−4	26	27	3.91	+0.79	0.61	21.9	28	1	6	24	sw.	Westmoreland Water Co
Greenville	Mercer	950	39	24.2	−6.0	48	8†	−6	22	25	2.48	−0.42	0.66	8.5	25	1	4	26	......	Charles P. Clarke.
Grove City	Mercer	1,256	28	23.8	−6.0	48	9	−6	26	24	3.46	+0.43	0.60	20.3	23	2	5	24	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	11	26.1	−6.2	53	7	−5	26	28	3.89	+0.98	0.78	13.5	19	9	14	8	......	W. F. Gallagher.
Johnstown	Cambria	1,184	53	26.6	−5.8	49	8†	−3	22†	25	3.47	−0.14	0.48	23.2	23	1	3	27	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	3	22.4	......	44	9	−7	29	27	3.88	......	0.54	28.5	20	3	0	28	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	43	25.2	−7.1	49	8†	−6	26	28	3.32	−0.06	0.49	14.2	17	0	4	27	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	41	25.3	−3.5	47	8†	−4	22†	24	3.62	+0.40	0.65	29.5	22	2	2	27	w.	Ass'd Gas & Electric Co.
Mount Lebanon	Allegheny	1,200	9	25.2	......	51	7	−4	26	24	2.77	......	1.10	12.3	26	1	8	22	sw.	Roger H. Howell.
New Castle	Lawrence	808	55	25.2	−5.6	50	9	−7	31	32	2.78	+0.20	0.42	15.3	26	2	12	17	nw.	New Castle Water Co
Newell	Fayette	800	15	27.6	−7.3	52	8†	−2	26	26	3.00	+0.38	0.65	11.5	11	1	9	21	......	Gen. Chemical Co.
Pittsburgh	Allegheny	842	93	24.8	−9.4	49	8	−5	26	25	3.27	+0.41	0.90	20.4	24	1	5	25	sw.	U. S. Weather Bureau
Ridgway	Elk	1,350	28	23.3	−4.7	49	11	−13	29	27	2.49	−0.11	0.52	13.1	22	0	6	25	s.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	22	24.6	−6.4	47	8	−2	26	23	3.10	+0.78	0.64	12.0	22	0	5	26	s.	Harry H. Gerber.
Somerset	Somerset	2,190	68	21.6	−7.2	47	9	−19	22	34	3.63	−0.27	0.57	31.7	24	1	7	23	sw.	D. L. Grove.
Uniontown	Fayette	1,100	47	27.6	−7.2	59	8†	−3	22†	27	3.00	−0.47	0.85	11.5	20	2	7	22	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	21	26.2	−7.1	53	9	−4	29	27	2.31	−0.63	0.62	5.8	13	14	8	9	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	46	25.4	−2.6	46	9	−10	29	25	3.52	+0.41	0.52	26.2	17	4	1	26	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	4	27.0	......	53	7	−4	22	35	3.50	......	1.16	10.0	15	1	2	28	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	714	63	26.6	−5.3	49	8	−1	26	23	2.62	−0.21	0.47	22.7	24	0	4	27	nw.	U. S. Weather Bureau.
For the State	......	......	....	26.3	−4.8	60	9	−19	22	41	2.62	−0.54	1.20	13.5	16	5	7	19	nw.	

The departures from normal temperature and precipitation are computed only from records for stations that have ten or more years of observation, but all complete reports are used in determining means for the State. † On other dates also. * Incomplete.

Reference letters, a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

Daily Precipitation for December, 1935

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
llentown‖	Lehigh	T.	.02		T.				T.	.23	T.	.15			.25	T.	.51	.01	T.	T	.01	T.		.03	T.		.11				.29	T.	1.61
ltoona	Juniata	.15						T.	.30	.22		.57		.37	.48	.40	.10	.25	.02	.05	.15	.01		.03		.10				.50	.10		3.80
nsonia‖‖	W. Br. Susq	.05	T.		T.		T.		T.	.21	T.	.18		.08	1.18	.05	.17	.02	.02	.02	.01	.02		.01	T.		.11			T.	.09		2.22
rdmore	Lower Del								.14		.60				.05	.20							.04	.08		.10	.03			.54	.18		1.96
rendtsville	Lower Susq																																
aker's Summit	Juniata	.11							.20	.12	.05	.26		.54	.50	.12	.24		.05		.03						.07			.33	.15		2.77
edford	Juniata	T.	T.					T.	.22		T.	.21		.64	.05	.36	T.	T	T	T.	.30		T.	.20	T.		.20			.60	.30		3.48
ellefonte	W. Br. Susq	.10		T.	T.			.03	.12	.12		.96	T.	.37	.40	.10		.07	.02	T.	T	T.	T.	.03	T.	T.	.05	T.		.17	.72	T.	3.26
ethlehem	Lehigh	.04			T.				.10	.12		.15			.12	.26	.28	T.	.01		.01		.02				.11			T.	.41		1.63
loserville‡‡	Lower Susq	.30						.02	.08			.40		.40		.27		T						.05			.03			.52			2.07
uffalo Mills‖‖	Juniata		.09						.13					.43	.55	.07	.30										.13				.47		2.17
arlisle	Lower Susq	.15						.02	.30	.09	.05	.79		.38	.46	.12	.08	T	T				.06	T.	T.	.22	T.			.40	.12		3.24
atawissa‡	N. Br. Susq	.03	T.	T.	.01			T.	.23	.24	.03	.45		.40	.15	.03	.09		.01	T.			.02	T.		.02	.01			.29	.20		2.21
enter Hall	Susquehanna	.26						.07	.28	.30		.92		.46	.49	.18		.22						.08			.12			.45	.27		4.10
hambersburg	Potomac	.07						T.	.48	.07	.03	.21		.42	.48	.18	.08	T.			T.		T.	.04	.02	.01	.17			.33	.28		2.87
earfield	W. Br. Susq	.21	.03	T.	T.	T.		.20	.50	.15	T	.63	T.	.20	.61	.10	.23	.23	T.	.02	.03	.02	T.	T.	T.	.04	.03	T.	T.	.10	T.	T	3.33
oatesville	Lower Del	T			T.			.01	.31	.09		.36		.03	.12	.35		T.		.01	T.			.09			.30			.47	.17		2.31
olebrook	Lower Susq	.02			T.			T.	.50	.05	.02	.78		.22	.32	.24	.06	.02	T.	T.	T.		.02	.02		.04	.15			*	.26		2.72
onshohocken	Schuylkill							T.	.11	.03		.22		.04		.18	.02	T.						.09			.13			.42	.31		1.55
oylestown	Lower Del	T.							.05	.31		.22		T.	.10	.07	.22				T.			.05			.17			*	.72		1.91
mporium	W. Br. Susq	.25		.04		T.		.12	.13	.11	.19	.31		.35	.51	.12	.61	.02	.10	.05	.03	T.		.03		.20	.05	T.	.10	.10	.30		3.72
phrata	Lower Susq	.03			T			T.	.38	.10	T.	.40		.17	.29	.40	.04	T			T.			.06			.18			.16	.19		2.40
orest City	N. Br. Susq	.02	.02	T.	.04		.06			.36					.65	.03	.25	T.	.02	.09	T.			.06	T.		.15	T.			.05		1.80
reeland‖‖	Lehigh	.04	.02		.04	T.			T.	.22		.15			.04	T.	.46	T.	.14	.03	.08	T.		.02	.03	T.	.16	T.	T.		.81	T	2.24
aleton	W. Br. Susq	.08	T.	T.		T.			.05	.27	.03	.21		.70	.48			.20	.22		.07			.07		.15					.12		2.65
eorge School	Lower Del	T.							.11	.21	T.	.09			.08	.20	.09				T.			.09			.22			.14	.38		1.61
ettysburg	Potomac	.01						T.	.01	T.	.01	.14		.15	.52	.15	.05	T.			T.	T.	T.	.03	T.		.16			.32	.20		1.75
rardville‖‖	Lower Susq	.08	.03	.09				.02	.21	.02	.41			.58	.01	.18	.06	.03	.07	.06	.08		.02	.03		.14				.72			2.84
ordon	Lower Susq	.08						.01	.12	.18	.01	.36		.08	.34	.09	.07		.10	.01	T.	.10		.10			.30			.30	.50		2.75
ouldsboro‡‡	Lehigh	.20								.27		.06		.09	.15	.05				.05	.10		.10			.20				.20			1.47
aterford	Schuylkill	.01							.16	.11	T.	.04		T	.03	.47	.41				T.						.03			.17	.32		1.75
amburg	Schuylkill	.03						T.	.21	.11	.10	.08		.15	.18	.15	.34	T.	T.		T.	.10					1.05			.05	.06		2.61
anover	Lower Susq	.03			T.			T.	.44	.05	.03	.50		.16	.45	.13	.05	T.	T.	T.	T.		T.	.04	.02		.18			.22	.35		2.65
arrisburg***	Lower Susq	.03	T.	T.	T.			T.	.42	.06	.24	.22		.58	.07	.17	T	T.	T.	T.	T.		.01	T.	T	.07	.03			.26	.05	T.	2.21
awley‖	Upper Del	.03	.08	T.	.01		T.		T	.14		.07			.19	.02	.31	T.	T.	.01	.06	T.		.02	T.		.11		T.		.17		1.22
ollisterville	Upper Del	.05	.11		.06		.04		T.	.23	T.				.22	.21	.33	.03	T.	.06	.09	.03		.04	T		.19	.10			.22		2.01
oltwood‡	Lower Susq	.04			T.			.07		.30		.48		.15		.39			T.		T			.09			.25			.45	.25		2.47
untingdon	Juniata	.05		T.				T.	.14	.12		.61		.60	.40	.22	.02	T.		T.				.05		.01	T.			.30	.20		2.72
yndman	Potomac	T.		T.					.33		.07	.21		.94	.39	.18	.14						.08							.14	T.		2.48
ylertown***	W. B. Susq	.09	T.	.01	T.	.01		.01	.14	.15	.55	.25		.59	.18	.18	.01	.07	T	.01	.01	.04	.02	.02	T.	.03	.03	.05	.05	.10	.04	T	2.64
keville‖‖	Upper Del	.01	.10	T.	.01	.01			T.	.22	T.	.14	T		.28	.07	.39	T.	T.	.01	.05	.01		.01	T.	.02	.13	T	.01		.19		1.66
ncaster	Lower Susq	.06						T.	.39	.13		.49		.16	.34	.48	T.	.02	T.	T.			.05	T.	T.	.12				.17	.29		2.70
nsford‖‖	Lehigh		.15	T.	.02				T.	.22		.22			.39	T.	.40	T.	T.	.03				T.	.09		.20				.25		1.97
wrenceville	N. Br. Susq	.07	.05		T.	T			T.	.10	.10	.05		.30	.80	.10		T.	T.	T.	.05			T.			.08	.05			.10		1.85
banon	Lower Susq	.01	T.	T.				.01	.55		.66		.01	.37	.04	.25		.01	T.	T.	T.	T.	.03	T.		.09				.30	.01		2.34
highton‖‖	Lehigh																																
ck Haven	W. Br. Susq	.13						.02	.09	.19	.11	.50		.17	.78	.10	.10	T.	.01		T.			.05			.05			.05	.31		2.66
arcus Hook	Lower Del	T.			T.			T.		.25		.55			*	.24	T			T	T.	T		.07			.28				.74		2.13
atamoras‖‖	Upper Del		.15							.21						.15	.28			.02							.13				.14		1.08
uch Chunk	Lehigh	.07							.05	.15	.04	.13		.03	.32	.53	.04		.02					.03	T.	.05	.25			.20	.09		2.00
orris Run	N. Br. Susq	.05			.05	.05			.06	.15		.25		.38	.70	.20	.05	T.	.04	.07				.02		.02	.12				.25		2.46
ount Pocono	Upper Del		.15					.10	.03	T					.60	.50	T.										.66	.10	T.		T.	T	2.14
uncy Valley	W. Br. Susq	.17	T.		T.	T.		T.	T.	.23	T.	.28		.56	.32	.10	.25	T.	T.	T.	.16			T				T.			.28		2.35
shaminy‖‖	Lower Del	T.			T.			T.	.15	T.	T	.26		.03	.10	.26	.01	.01	T.	T.	T.		.02	.01		.08	.06			.19	.16		1.34
w Park	Lower Susq	.25				.18						.48		.51		.30							.08			.15				.27	.12		2.34
wport‖‖	Juniata	.03				T.			.08	.23		.70		.04	.85	.04	.04	T.			T.				.03			.15			.35		2.54
lmerton‡	Lehigh	.05	T		T.			T	.02	.13		.05		.06	.09	.46		T.	T.	T.			.01	T.		.06	.03	T.		.23	.22		1.41
upack‖‖	Upper Del		.09		.02					.11		.08			.17	.25	.18				.10			.05			.10				.18		1.33
iladelphia***	Lower Del	T.		T.	T.			T.	.09	.04	T.	.25		.01	.03	.21		T.		T.	T.	T.	.06	.02	T.	.07	.07			.60	.10		1.55
ila. Navy Yard‖‖	...do		T			T.			.07	.15	T.	.32	T.			T.	.20		T		T	T.	T	.06			.15				.61	.10	1.66
lla-P'nt Breeze.‡	Lower Del	T.	T.		T.			T.	*	.22				.01	.04	.20	T.	T.	T.	T.	T.	T	.05	T.		.15	.03			.51	.07		1.28
oenixville	Schuylkill	T			T.				.32			.27			.12	.24	.05	T.	T.	T				.05			.10			.10	.90		2.15
ne Grove	Lower Susq	.02						.10	.30	.06	.12	.25		.20	.05	.48		T.	T.	T.	T.	T.	.05	T.		.20	.10			.60	.20		2.73
easant Mt.‖‖	Upper Del	.13			.18						.19			.64		.27						.32					.31			.14			2.18
ttstown	Schuylkill																																
ttsville	Schuylkill	.05			.01				.11	.21	T.	.23		.05	.48	.18	.05	T.	.02	T.	.01			.03	T.	T.	.20			.11	.20		1.94
akertown	Lower Del				T.				.19	.20		.32			.14	.33	.10				T.	T.		.03			.13			.12	.38		1.94
ading***	Schuylkill	.04	T.		T			T.	.37	.09	.01	.20		.06	.09	.27	T	T.	T.	T.	.01	T.	.04	T.		.15	.05			.33	.20		1.91
novo‖‖	W. Br. Susq	.06							.03	.30	.06	.38		.10	1.10	.06	.26			.02					.04		.01		.01		.19		2.62
treat	N. Br. Susq	.08				T.		T.	T.	.31	.14				.70	.12		T.	T.	.16	.08			.07			.25	T.		.02	.01		1.94
ranton***	...do	.24	T.	T.	T.	.01		.02	T.	.23	.08			.26	.02	.12	.09	T.	.03	.06	.08		.01	T	T	.06	.10	.02		.16	.06		1.65
linsgrove	Lower Susq	.03			T				.19	.20		.64	.03	.30	.50	.10	.07	T.			T.			.02		.02	.04			.18	.20		2.52
awmont	Schuylkill				T.			T.	.10	.14	T.	.36		T	.08	.18	.04	T.		T	T		T.	.06			.10			.10	.19		1.35
ippensburg	Lower Susq	.27						T.	.49	.06	.05	.22		.38	.50	.16	.09	T.	T.	T.	T.	T.	T.	.05	T.		.14			.31	.25		2.97
ow Hill‡‡	Upper Del																																
ate College	W. Br. Susq	.15	T.	T.				.08	.11	T	.15	.79		.59	.47	.18	.02	T.	T.	T.	T.		T	.09	.01	.07	T.	T.	T.	.52	.08	T	3.31
roudsburg‖‖	Upper Del	T.								.58	.03					.18	.22					T.	T.		T.					.40	.08	T.	1.49
nbury‖‖	Lower Susq	.08	.04	T.	T.				.05	.32		.27	.39		.67	.05	.08	T.	T.	T.	T	T.		T.	.06		.33				.66	T.	3.00
squehanna‖‖	N. Br. Susq	.02	.06	T.	.04		.04		T.	.16	T.	.02			.52	.15	.12	T.	.03	.01	.10	.50		.01			.09	T.	.03	T.	.06		1.96
wanda	...do	.06	.03	T.	.01	.01	T.	.02	.02	.16	.07	.07		.57	.36	.06	.11	T	T.	.02	.06			.02	T.	.01	.11	.02	.01	.07	.13	T.	2.00
eikert	Lower Susq	.20						*	.20			.40		.60	.75	.10			.05	.05				.12						*	.40		2.87
llsboro	W. Br. Susq	.03	.02			T.		T.	T	.20	.11	.10		.33	.63	.10	.03	T.	.02	T.	.08			.06	T.	.02	.14			.05	.08		2.00
est Chester	Lower Del							T	.31			.52			.11	.24	.06	T.						.10	T.		.30			.60	.60		2.84
stgrove‖‖	...do	.02	T.						.18	.23		.84			.03	.09	.23							.08			.15				.63		2.48
lkes-Barre‖‖	N. Br. Susq	.01	.04		T.		.02		.04	.22	T.	.42			.43	.02	.10	T.	T.	.02	.09	T.		T.	T.		.12	T.		.20	.20		1.93
lliamsport‖‖	W. Br. Susq	.04	T.						T.	.15	.01	.53		.02	.85	.08	.06		.12	.01	.01	T.		.01	.02		.07				.27	T.	2.25
lliamstown	Susquehanna				.03			T.	.12	.20		.39		.05	.24	.07	T.	T.	T.	T.	.04			.04			.11			T.	.34	T.	1.63
rk	Lower Susq	.02						T.	.36	.11	.02	.58		.16	.28	.17	.07							.04			.20			.21	.24		2.46
rk Haven‖‖	Lower Susq	.01							.09	.48		.45		.05	.51	.06	.19		.02					.06			.12				.20		2.24
nsville..(near).	Schuylkill	T.						T.	.02	.05		.55			.01	.20	.01		T.					T.	T.	T.	.35			.34	.35		1.88
enton, N. J***	Lower Del	T.		T.	T.			T.	.13	.11	T.	.09		T.	.04	.29	T.	T.	T.	T.	T.	T.	.04	.05		.08	.08			.34	.15		1.40

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	.20	T.	.31	T.			.02	.18	.47		.23		.30	.36	.02	.13	T.	.01	.01	.20			.01	.05	T.	.25	T.	T.	T.	.21	T.	2.66
Beaver Falls‖‖	Beaver	.20	.02	.02	.02			.01	.11	.57		.22	T.	.44	.53	.03	.11	T.	.01	.02	.10	T.		.03	.05	T.	.26	.01	.01	T.	.18	.01	2.96
Bradford	Allegheny	.10	.12	T.	.05	.05		.05	.08	.45	.02	.15	T.	.36	.35	.07	.24	.09	.13	.10	.13	.06	T.	.07	T.	.04	.10	.19	.05	T.	.04		3.09
Brookville	...do	.20	.06	.02	.07				.32	.52		.39		.27	.62	.03	.60	.05	.03	.02	.07	.02	.03	.02	.03	.02	.18	.04	.02	T.	.20	.02	3.85
Butler	Ohio																																
Chambersville	Allegheny	.21	T.	T.	.04			.01	.39	.29	T.	.53		.43	.32	.11	.27	.06	T.	.10	.17	.02		.03	.01	.02	.06	T.	.02	.06	.10		3.25
Clairton‡	Monougahela	T.						.09	.42	.14	.15	T.	.05	.90	.03	.13	.01	T.	.01	.08	.01	T.	T.	.10	.02	.11	T.	T.	T.	.16	T.		2.41
Claysville	Ohio	.10	.02	.02	T.			.04	.32	.44	.12	.11		.77	.27	.12	.03	.02		.02	.06		.02	.06	.03	.13	.03	T.		.12	.09	T.	2.94
Confluence‖‖	Youghiogheny		.10	.15					.25	.55					.55		.15	.10	.05		.20				.05		.20	.02		.10	.32	.04	2.83
Corry	Allegheny	.01		.11	.25	.07		.03	.12	.71	.12	.12	.02	.56	.19	.25	.11	.11		.17	.21	.20	.20	.11	.07	.03	.05	.51	.11		.03		4.47
Derry	Conemaugh	.22	T.	.03				.03	.33	.45	.22	.45		.37	.16	.37	.06	.04		.09	.16		T.	.04	.02	.12	.06	T.		.10	.12	T.	3.44
Donora‖‖	Monongahela	.08	.01	T.	T.			.05	.26	.28		.32		.48	.43	.12	.22	.01		.01	.07	T.		.02	.02	T.	.18	T.	T.	.11	.15	T.	2.82
Ebensburg	Conemaugh	.31	.02					.08	.43	.41	.80	.60			.40	.35	.30	.09	T.		.33	T.	T.	T.	T.	.10	.20	.16	T.	.11	.20		4.89
Elk Lick	Youghiogheny			.30		.10			.80			.30	.20						.20							.80		.40		.20			3.30
Franklin‖‖	Allegheny	.05	T.		T.				.05	1.15	T.	.22	.10	.08	.20	.04	.38	.10	T.	T.	.10	.05			.03		.12	.02	T.		.12		2.81
Greensboro‖‖	Monongahela	.06	.09	T.				T.	.17	.28		.18	T.	.40	.39	.02	.14	T.	.02	T.	.08	.06		.03	.11		.15	T.	T.	T.	.23	T.	2.41
Greensburg	Youghiogheny	.25	.01	.01	.04			.05	.43	.35	.12	.36		.61	.33	.32	.05	.01	.02	.04	.22	.04	.01	.04	.03	.11	.08	.01	.02	.15	.18	.02	3.91
Greenville	Beaver	.04	.13	.01	.02			.01	.20	.52	.02	.03		.66	.02	.20	.15	.13	T.	.03	.07	.03	T.	.01	.01	.02	.08	.05	.01	.01	.02		2.48
Grove City	...do	.20	.05	.04	.10			T.	.38	.60	.12	.12		.59	.06	.17	.31	.11	.01	.06	.23	.01	T.	.02	T.	.05	.05	.05	T.	.02	.11		3.46
Herrs Isl. Dam‖‖	Ohio	.21	.03	T.	.04			.04	.18	.36		.30		.38	.66	.04	.17	.05	.03	.17	.02		.04	.06		.11	.02	T.	T.	.20	.02		3.23
Irwin	Monongahela	.20	T.	T.				.12	.42	.37	.06	.32		.78	.30	.27	T.	.27	.06	.08	.12	T.	.02	.03	T.	.12	.06	T.	T.	.22	.07		3.89
Johnstown	Conemaugh	.14	T.	.01	.02	T.		.03	.39	.26	.04	.44		.42	.27	.30	.13	.07		.17	.21	.03	.02	.03	T.	.07	.11	.03	T.	.21	.07		3.47
Kane (near) ‡‡	Allegheny	.28			T.	T.		.24	T.	.54	.06	.28		.31	.11	.18	.14	.12	.17	.14	.22	.25		.11		.09	.22	.08	.19	T.	.15		3.88
Kregar‖‖	Youghiogheny	.11	.04	.04				.26	.60		.40		.16	.65	.05	.27	.07	.02	.03	.29	.05	.02	.02	.06	.02	.08	.05	.02	.01	.19	.06		3.57
Lake Lynn‖‖	Monongahela	.05	.10	.01	.01	01			.24	.48		.16		.27	.28		.36	.02	.02		.05	.04		.01	.12	.01	.05	.02	.01		.12	.01	2.45
Linesville‖‖	Beaver	.12	.05	.10	.10	.10	.10	.18	.29	.46							.10	.15	.20	.40	.25	.42	.30	.25	.12		.02						3.71
Lock No 2‖‖	Ohio	.15	.01	.01	T.			.04	.18	.39		.15		.50	.63	.08	.07	T.	T.	.01	.15	T.		.02	.01		.03				.06		2.49
Lock No. 4‖‖	Monougahela	.09	.04	T.	.01			.02	.20	.39		.37		.35	.72	.13	.22	.02	T.	.01	.08	.01		.03	.04	T.	.16	.02		T.	.31	T.	3.22
Lock No. 5‡‡‖‖	Allegheuy	.18	.08	.04	.04			T.	.16	.52		.28		.36	.74	.04	.30	.15	.02	.01	.13	.08	T.	.01	.02		.15	.03	.02		.15	T.	3.40
Lycippus	Conemaugh	.33	T	T				.05	.49	.49		.32		.44	.09	.30	.07	.03	T.	.05	.33		T	.04		T.	.08	.04		.14	.03		3.32
McKeesport‖‖	Monongahela	.10	.01	T.	T.			T.	.18	.31		.26		.35	.64	.16	.03	T.	T.	T.	.03	T.		T	T.	T	.18	T.		T.	.35		2.60
Meadville	Allegheny	.10	.10	.04	.05			T.	.25	.65	.08	.10		.54		.10	.40	.07	.03	.05	.15	.17		T.	.03	.04	.20	.40	.01		.06		3.62
Mosgrove‖‖	...do	.16	.04	T.	.05				.15	.58		.20		.22	.66	T.	.32	.12	.08	.03	.15	.13		.03	.03	T.	.15	.03	T.	.04	.12	.02	3.31
Mount Lebanon	Ohio	.15	.04	.02	T.			.09	.24	.15	.20	T.		1.10	.07	.11	.04	T.	T.	.12	.11		.02	.04	.02	.09	T.	T.	T.	.12	.06		2.77
Natrona‖‖	Allegheny	.18	.04	.04	.04			.01	.13	.53		.35		.35	.69	.04	.26	.05	.01	.03	.25	.09	T.	.05	.06	T.	.18	.02	.01	T.	.14	.02	3.57
New Castle‖‖	Beaver	.16	.06	.02	.03	.01		.02	.25	.39	T.	.30	.03	.34	.42	.04	.11	.05	.02	.02	.09	.10	T.	.02	.02	.01	.13	.01	.02	T.	.11	T.	2.78
Newell	Monougahela	.10								.65	.02	.25		.40	.43	.10					.20						.35			.20	.30		3.00
Parkers Landing‖‖	Allegheny	.13	.01	T.	.02	T.	T.	T.	.22	.55		.23		.28	.45	T.	.32	.15	T.	T.	.15	.01	T.	.02	T.	T.	.10	.02	T.	T.	.24	T.	2.90
Pennline‖‖‡‡	Beaver	.07	.11	T.	.10	.01		.06	.09	.58	T.	.16	T.	.38	.21	.10	.40	.20	.20	.06	.13	.04	.02	.01	.05	.02	.13	.19	.04	T.	.05	T.	3.41
Pittsburgh***	Ohio	.12	.01	.01	.01	T.		.09	.42	.12	.27	T.	T.	.90	.05	.20	.01	.04	T.	.13	.14	T.	.03	.03	.02	.33	.09	.01	.01	.19	.04	T.	3.27
Punxsutawney‖‖	Allegheny																																
Ridgway	...do	.08	.02	T.	.03	.01	T.		.13	.47	.05	.43		.10	.46	.04	.20	.10	.04	.04	.05			.02	.03	.08	.03	T.	.02	T.	.06	T.	2.49
Saltsburg‖‖	Conemaugh	.24	T.	.02	.02			.02	.25	.41		.33		.21	.75	.15	.18	.03	.01	.02	.18	.02	.02	.02	.02		.17		.02		.20		3.29
Sharon‖‖	Beaver	.05	.11	T.	.04	T.			*	.89		.15	.02	.35	.29		.25	.12	.02	.05	.12	.18	.02	.02	.02		.20	.04	.02		.14		3.10
Smethport‖‖	Allegheny	.02	.07	T.	.20	T.	T.	.02	.02	.57				.05	.04		.10			.05	.08			.04			.25		T.				1.51
Somerset	Youghiogheny	.15	.03	T.	.04			.01	.55	.22	.01	.25		.57	.33	.28	.10	.03	T.	.02	.35	.01	T.	.04	.05	.02	.12	.07	T.	.23	.14	.01	3.63
Springdale‖‖‡‡	Allegheny	.27	.02	T.	.04			.02	.17	.56		.29		.32	.87	.04	.34	.04	.02	.06	.18	.01		.05	.09		.18	.03			.07	.02	3.69
Uniontown	Monongahela	.23	.02	T.	T.			.01	.37	.29	.12	.09		.85	.29	.15	.02	T.		.01	.13		.02	.06	.13	.03	.03	T.		.13	02		3.0
Unity Reservoir‡‡	Youghiogheny	.24	.03	.01	T.			.06	.35	.37	.18	.43		.60	.25	.10	.25	.07	T.	.09	.16	T.	.05	.06	T.	.11	.06	.01	T.	.13	.08		3.69
Vandergrift‡	Conemaugh	.17	.02						.30	.19	.20			.62		.25	.02			.04	.03						.30	T.		.12	.05		2.31
Warren	Allegheny	.20		.05	.05	.05			.52			.18		.50		.10	.10	.10	.06		.50			.06			.30	.40	.10	.25			3.5
Waynesburg	Monongahela	.05	.05					.18	.31	.32	.16	T.		1.16	.09	.29	.09	T.		T.	.30		.05	.05		.20	T.			.20			3.50
Westford‖‖	Beaver		.19	.10	.08	.11		.20	.80	.03	.20		.28	.30	.03	.30	.04	.08	.12	.30	.04	.03	.02	.10	.02	.03	.24	.06	.04	.05	.38	.01	4.1
West Newton‖‖	Youghiogheny	.12	.02	T.	T.			.02	.22	.40		.43		.27	.64	.09	.18	.02	.01	.02	.09	.08		.01	.06	.04	.15	.02			.20	T.	3.08
Lake Drainage.																																	
Erie***	Lake Erie	.12	.01	.25	T.	.04		.02	.13	.14	.08	.04		.47		.08	.07	.11	.08	.09	.30	.09		.10	.11	.08	.06	.05	T.	.04	.06		2.6

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville: of Snow Hill, Analomink: of Unity Reservoir, Greensburg: of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.06	30.61	6	29.63	15	12.4	31	sw.	5	82	80	82	9
Harrisburg	30.06	30.71	6	29.62	20	8.5	24	w.	21	70	62	68	39
Philadelphia	30.06	30.74	7	29.54	20	12.9	35	nw.	4	67	56	61	39
Pittsburgh	30.07	30.61	6	29.63	15	11.4	39	sw.	25	89	82	88	25
Reading	30.06	30.71	6	29.54	20	12.1	38	nw.	4	73	66	65	40
Scranton	30.04	30.72	6	29.55	20	6.5	24	nw.	20	77	67	66	29

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.7	6.0	1	2.8	23	18
Phillipsburg	Delaware	4.0	9.2	1	2.7	23	22
Lehighton	Lehigh	3.8	5.0	1	3.1	28	17
Wilkes-Barre	Susquehanna	6.4	10.8	17	4.2	29	20
Williamsport	Susquehanna	3.5	7 4	17	1.6	5	20
Harrisburg	Susquehanna	5.4	7.3	18	4.2	9	17
Greensboro	Monongahela	12.9	20.7	10	10.8	7	30
West Newton	Youghiogheny	2.3	5.0	16	0.6	8	20
Lock No. 4	Monongahela	13 8	19.7	10	11 3	8	30
Pittsburgh	Ohio		19.3	17	10.9	7	25
Beaver Dam	Ohio		24.8	17	10.9*	6	30

* —Pool stage.

Daily Temperatures for December, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	37	37	36	27	36	33	37	37	55	45	46	45	42	38	41	41	37	36	40	33	30	28	24	27	31	20	26	23	18	26	29	34.2
	Minimum	30	25	27	20	16	22	16	19	30	31	32	28	31	33	35	37	32	28	28	30	16	13	14	16	14	9	9	16	8	8	11	22.1
Altoona	Maximum	33	28	30	26	26	37	33	39	49	44	40	34	31	34	36	37	30	35	34	27	18	18	19	21	24	19	14	20	15	22	30	29.2
	Minimum	26	22	20	10	15	26	23	32	38	34	29	28	30	32	33	29	26	27	27	13	5	−4	7	14	11	−5	7	10	0	7	14	18.9
Bedford	Maximum	35	30	34	31	32	38	38	43	52	47	44	40	36	37	41	38	33	37	37	32	17	20	25	24	26	24	18	23	18	24	30	32.4
	Minimum	28	23	23	13	18	29	24	32	36	35	31	24	31	35	37	30	29	30	29	16	7	−1	13	19	18	−2	10	12	4	9	14	21.2
Brookville	Maximum	29	32	30	31	21	29	35	42	47	47	40	40	36	35	38	40	34	32	34	31	24	19	20	24	25	22	12	16	21	13	23	29.8
	Minimum	25	20	20	1	10	19	14	25	35	26	29	25	27	30	32	29	24	27	26	19	6	−7	−5	3	3	−7	−3	9	−13	4	12	15.0
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	40	42	42	34	37	42	35	37	58	46	44	44	38	42	40	40	38	37	40	33	25	27	27	31	28	25	27	25	20	29	37	35.8
	Minimum	30	25	25	16	14	24	17	32	36	32	34	27	30	35	36	38	31	31	32	24	14	9	8	18	17	4	14	20	6	12	18	22.9
Catawissa	Maximum	35	37	33	31	32	36	33	37	54	50	42	48	41	42	43	42	38	35	38	34	24	27	23	26	29	23	24	20	13	27	32	33.8
	Minimum	28	25	27	13	14	20	14	30	34	32	34	29	30	30	29	34	28	26	30	24	15	11	10	11	10	2	15	2	0	8	−3	19.7
Chambersburg	Maximum	37	36	37	33	40	42	34	39	57	46	46	44	40	38	39	40	36	40	39	33	23	26	24	30	28	24	27	27	18	29	32	35.0
	Minimum	29	29	26	20	20	30	20	30	35	37	34	27	32	34	36	35	31	31	33	22	12	8	10	19	17	3	13	13	8	11	10	23.1
Chambersville	Maximum	32	30	30	27	26	35	43	49	50	44	44	37	36	37	43	45	32	34	36	36	15	19	24	24	23	22	17	18	21	19	27	31.5
	Minimum	24	18	19	6	11	24	23	37	40	31	29	28	30	32	34	28	25	26	25	13	4	−10	10	10	5	−7	6	8	−6	8	7	17.4
Claysville	Maximum	32	30	31	28	30	37	52	50	50	49	34	39	39	38	42	42	32	37	36	29	15	19	28	30	22	22	18	23	17	20	29	32.3
	Minimum	26	17	20	16	16	25	24	41	43	32	27	25	32	33	33	29	27	30	27	13	4	−1	9	15	5	−4	5	9	4	9	−3	19.0
Clearfield	Maximum	36	33	32	32	28	38	48	45	48	42	44	38	35	37	38	37	38	39	37	35	30	18	28	24	27	18	22	18	12	22	28	32.5
	Minimum	28	22	21	6	11	23	17	28	32	30	28	28	27	32	33	29	25	28	28	26	10	2	8	12	12	−5	12	10	−6	8	10	18.5
Coatesville	Maximum	36	37	34	32	37	35	35	40	57	47	44	42	41	38	42	43	37	41	41	34	23	26	29	26	31	24	25	25	15	27	28	34.6
	Minimum	27	25	27	19	14	23	15	30	38	29	34	29	30	24	34	33	29	27	31	22	15	11	14	17	12	5	13	12	5	10	15	21.6
Corry	Maximum	27	25	26	22	30	30	40	45	46	37	37	38	33	36	38	36	28	31	28	27	25	18	18	23	19	17	16	19	10	28	25	28.3
	Minimum	20	18	15	1	10	15	22	31	34	30	29	25	25	30	33	25	22	24	23	11	0	1	−5	2	5	−7	−5	−1	−17	8	10	14.0
Emporium	Maximum	35	32	32	30	31	42	37	37	49	44	38	39	36	40	40	40	30	35	35	30	16	20	24	22	25	23	22	20	12	25	25	31.2
	Minimum	28	26	25	8	18	22	15	30	30	31	33	30	32	33	36	30	27	28	30	14	11	8	10	5	18	−2	11	1	−11	12	11	19.4
Erie	Maximum	32	30	31	21	35	33	43	49	46	41	38	41	37	41	41	37	31	35	32	27	19	20	23	25	25	21	24	22	16	24	26	31.2
	Minimum	28	26	18	13	18	26	31	43	38	32	33	32	32	37	37	29	27	31	27	16	12	6	14	16	2	−1	19	8	4	13	16	22.0
Franklin	Maximum	34	26	31	26	31	42	44	50	48	41	42	40	35	41	43	34	31	35	31	26	20	24	30	28	23	23	21	25	19	26	34	32.4
	Minimum	26	22	23	6	7	21	22	31	40	29	30	29	30	31	33	29	25	28	26	20	9	−1	0	12	12	−4	−1	11	−4	−2	13	17.8
Freeland	Maximum	30	29	28	26	26	26	28	40	44	42	40	41	35	35	35	35	28	29	31	30	19	22	23	18	21	20	16	17	10	13	15	27.5
	Minimum	23	19	18	6	7	12	15	25	36	25	32	27	26	30	30	27	22	17	26	16	7	5	11	7	8	−4	8	5	−1	8	5	16.1
Gettysburg	Maximum	39	37	35	32	39	41	34	39	57	49	46	43	39	40	42	40	39	40	39	35	27	26	28	28	32	28	26	27	22	33	35	36.0
	Minimum	29	23	27	21	19	28	19	31	37	36	34	29	33	35	36	36	30	30	34	24	12	9	10	18	16	4	14	13	9	11	15	23.3
Greensburg	Maximum	32	26	29	27	28	40	53	49	50	47	40	38	36	41	48	42	33	36	37	33	20	22	28	25	23	21	16	22	17	19	29	32.5
	Minimum	26	19	22	11	16	28	26	42	43	35	30	28	32	33	37	30	28	29	27	20	5	−1	15	17	8	−4	6	10	6	14	10	20.9
Grove City	Maximum	30	29	28	26	28	36	42	47	48	42	36	37	37	39	43	41	30	33	33	28	14	18	23	22	20	18	16	23	18	22	25	30.1
	Minimum	20	20	20	6	5	26	25	38	38	32	28	26	29	31	33	26	25	27	27	12	6	−2	6	10	8	−6	6	8	0	10	5	17.6
Hamburg	Maximum	36	36	37	35	35	35	33	36	57	52	46	45	41	40	39	41	38	36	39	34	25	27	24	29	32	26	25	24	19	25	31	34.8
	Minimum	29	26	28	15	14	21	16	30	34	31	38	32	32	34	35	35	29	26	31	23	15	9	14	17	14	5	15	16	6	11	15	22.5
Harrisburg	Maximum	37	36	34	31	36	36	34	37	56	46	44	42	38	42	41	41	37	39	37	33	22	24	25	28	29	23	27	25	15	26	31	33.9
	Minimum	30	27	27	17	19	27	23	34	37	36	34	35	32	35	36	35	32	32	32	19	16	12	15	19	19	5	15	13	9	14	16	24.3
Hawley	Maximum	32	32	30	28	30	27	32	39	47	44	42	42	36	34	34	35	30	30	33	32	20	22	24	19	24	21	19	16	10	20	26	29.4
	Minimum	23	23	15	8	5	9	4	27	33	28	33	22	20	30	31	29	24	15	26	19	7	7	11	6	6	9	11	8	−5	8	−6	15.7
Holtwood	Maximum	37	37	35	34	37	37	36	39	55	43	43	42	42	41	41	43	38	40	39	36	25	26	27	29	31	25	28	26	16	25	30	34.9
	Minimum	32	30	30	23	19	26	21	35	38	31	34	30	35	37	37	37	34	34	35	25	18	13	17	20	18	7	17	16	10	13	14	25.4
Huntingdon	Maximum	37	34	34	31	33	37	36	38	53	...	49	40	38	39	40	42	34	39	38	42	20	21	24	21	27	23	20	24	21	24	31	33.0[a]
	Minimum	29	27	25	14	20	29	16	32	37	....	31	30	31	35	36	34	31	31	31	15	13	3	7	17	14	1	13	15	3	10	17	21.6[a]
Johnstown	Maximum	36	29	33	29	29	37	41	49	49	45	40	37	33	38	38	39	32	37	37	29	16	19	28	25	25	22	17	25	15	22	29	31.8
	Minimum	28	24	23	13	19	28	24	36	44	35	31	29	32	35	36	29	28	31	28	15	7	−3	15	17	14	−3	8	12	6	11	15	21.5
Lancaster	Maximum	36	35	36	32	35	36	33	40	58	46	45	42	40	40	42	43	38	37	40	37	34	23	31	28	31	30	26	26	17	27	30	35.3
	Minimum	25	25	27	20	14	23	14	30	36	25	32	22	27	35	35	35	28	27	30	25	15	11	3	10	6	3	13	13	0	10	2	20.0
Lawrenceville	Maximum	37	33	34	31	33	34	34	40	47	43	39	39	36	37	37	37	30	30	32	31	20	24	20	22	26	23	22	18	12	27	33	31.0
	Minimum	27	24	22	4	9	13	11	30	36	28	32	29	27	31	32	28	21	14	26	16	4	1	1	−1	−2	3	12	−1	−11	6	−8	15.0
Lebanon	Maximum	35	35	35	25	35	35	35	36	57	46	45	43	38	39	40	42	36	40	38	33	29	26	25	27	29	22	25	23	18	27	30	33.8
	Minimum	29	24	25	19	16	23	17	22	34	30	33	28	30	32	35	36	30	28	30	29	15	9	7	11	13	4	5	12	7	9	12	21.1
Marcus Hook	Maximum	50	39	36	39	38	37	43	59	57	49	47	45	44	45	46	42	44	42	40	32	27	28	28	33	32	27	34	33	28	30	35	39.0
	Minimum	30	30	22	22	27	24	34	41	35	39	34	36	39	39	41	35	30	36	32	19	17	19	23	19	9	19	18	10	14	18	22	26.9
Meadville	Maximum	32	30	28	28	30	37	42	47	47	42	35	39	37	40	40	40	31	35	35	31	22	20	27	24	20	20	19	23	19	22	25	31.2
	Minimum	26	22	20	6	13	26	27	39	40	34	30	30	31	31	35	29	25	27	26	13	10	−4	9	11	12	−4	8	11	−4	13	10	19.4
Mount Pocono	Maximum	30	37	25	18	17	15	30	42	41	40	35	34	33	33	34	36	28	30	28	22	17	18	16	15	17	9	15	16	8	17	19	25.0
	Minimum	20	14	10	6	0	0	10	25	27	30	31	26	22	24	28	20	15	17	19	10	4	2	−4	−5	−4	−2	6	5	0	5	6	11.8
Muncy Valley	Maximum	35	32	28	18	31	33	30	38	47	40	42	40	37	39	40	38	31	31	29	29	21	20	21	29	22	20	17	23	14	28	31	30.1
	Minimum	29	15	17	6	4	12	8	26	27	26	28	27	28	26	32	31	25	17	27	21	4	0	0	4	2	0	−1	−3	−7	8	−4	14.0
Philadelphia	Maximum	40	40	36	35	37	37	36	46	59	49	48	43	46	41	46	44	38	42	42	36	25	26	28	28	31	25	27	26	16	27	31	36.5
	Minimum	32	30	29	21	21	27	26	36	46	38	38	37	35	38	39	36	32	30	33	21	18	16	20	21	17	9	17	14	11	16	17	26.5
Pittsburgh	Maximum	32	27	28	27	30	35	49	49	49	47	33	37	34	38	46	35	32	36	30	24	14	19	26	22	21	16	12	21	15	19	27	30.0
	Minimum	21	22	22	14	16	28	30	42	39	29	29	29	32	34	35	28	27	30	24	8	4	2	16	15	−4	−5	5	9	9	11	8	19.6
Quakertown	Maximum	37	36	34	31	35	34	34	38	53	48	45	42	39	38	40	41	37	34	40	33	26	25	23	24	29	28	24	23	16	25	26	33.5
	Minimum	28	25	22	16	12	20	12	20	35	26	34	35	28	34	33	33	27	25	30	25	15	11	11	14	12	7	13	15	3	9	11	20.7
Reading	Maximum	37	36	36	34	37	35	37	40	56	47	46	43	41	42	42	43	36	41	40	32	23	26	24	26	33	24	25	24	17	26	31	34.8
	Minimum	31	28	29	17	20	25	20	35	36	39	39	34	35	36	36	35	30	28	32	19	17	13	17	18	18	7	17	13	7	15	16	24.6
Ridgway	Maximum	31	29	31	22	29	37	41	47	48	41	49	36	35	39	39	35	31	33	30	27	22	21	24	24	22	18	18	22	14	26	27	30.6
	Minimum	26	23	22	5	6	20	16	29	33	32	35	22	22	23	32	35	30	25	25	27	9	−3	−3	0	0	−4	−2	11	−13	1	11	16.0
Scranton	Maximum	34	33	32	28	32	24	33	40	49	46	42	42	38	38	41	40	30	32	34	30	16	22	22	19	24	23	21	16	13	19	24	30.2
	Minimum	28	23	22	9	13	13	13	32	37	37	37	33	31	34	30	30	22	22	29	16	9	12	16	12	14	5	14	6	3	13	12	20.4
Selinsgrove	Maximum	52	37	34	33	33	34	32	37	55	51	49	42	42	42	42	42	36	37	38	35	33	24	23	28	28	27	24	26	23	30	34	35.6
	Minimum	26	25	27	14	15	21	15	31	35	30	35	30	29	34	35	30	29	35	31	26	14	9	11	12	[illegible]	1	14	13	5	9	7	21.0
Shippensburg	Maximum	35	35	35	34	35	40	36	37	55	46	45	42	41	39	40	40	35	39	39	33	21	25	26	27	27	26	24	25	19	25	30	34.1
	Minimum	29	24	25	17	19	27	19	30	34	40	42	30	27	31	33	30	35	31	32	20	12	9	8	19	12	3	13	12	9	10	19	22.5
Somerset	Maximum	30	25	27	23	25	38	45	46	47	42	37	34	34	35	45	37	27	34	34	30	10	15	25	22	22	19	11	22	10	17	32	29.0
	Minimum	23	7	17	6	13	23	16	34	39	29	25	15	28	32	32	24	22	25	23	10	0	−19	6	14	0	−9	2	5	−8	6	3	14.3
State College	Maximum	36	32	30	28	31	36	35	39	52	46	40	40	36	37	39	38	32	36	32	29	26	26	26	25	24	21	19	20	14	24	28	31.5
	Minimum	27	23	21	9	15	22	20	32	32	38	29	30	29	31	30	28	25	28	26	23	9	4	5	13	11	−5	9	10	1	7	15	19.4
Stroudsburg	Maximum	36	34	25	19	30	30	35	32	38	45	41	48	36	41	48	46	44	38	35	33	35	34	30	31	30	31	30	28	34	35	37	35.1
	Minimum	25	21	19	9	15	16	10	15	24	28	22	26	28	30	28	31	24	21	18	15	20	18	15	10	8	8	0	−3	0	15	20	17.6
Towanda	Maximum	35	32	32	30	33	28	33	39	51	45	42	41	33	36	38	39	29	31	34	30	18	19	19	22	28	21	22	18	10	22	25	30.3
	Minimum	28	22	22	9	13	13	10	31	37	29	35	29	28	33	36	30	20	18	29	15	7	4	7	10	6	8	14	0	−7	7	−1	17.2
Uniontown	Maximum	32	29	32	29	29	40	56	59	59	46	40	36	42	53	43	52	42	39	38	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.0
	Minimum	28	17	24	15	15	25	31	43	44	36	30	29	33	34	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21.2
Vandergrift	Maximum	36	31	34	30	34	37	46	51	53	47	38	32	37	46	46	42	38	40	37	31	19	22	23	22	21	23	19	24	15	23	28	33.3
	Minimum	25	23	23	10	16	24	25	24	35	33	32	29	33	34	35	29	32	27	29	14	10	−2	0	18	0	−3	10	4	−4	14	6	19.1
Warren	Maximum	32	35	31	22	24	29	40	46	46	44	40	36	37	38	38	40	34	38	36	30	22	19	24	27	22	22	19	20	15	20	24	30.3
	Minimum	28	27	20	6	12	19	20	35	44	38	30	32	30	35	37	34	27	28	30	22	12	6	12	9	2	2	11	8	−10	10	16	20.5
Waynesburg	Maximum	33	30	32	29	32	40	53	51	51	49	36	41	37	40	50	42	33	39	38	29	17	24	31	28	23	24	20	29	22	23	32	34.1
	Minimum	28	21	23	17	18	21	22	45	41	34	28	28	33	34	34	30	28	30	28	12	4	−4	10	19	4	−3	6	10	8	13	−3	20.0
Wellsboro	Maximum	34	32	31	26	29	27	31	38	50	41	37	39	35	37	38	38	33	35	31	27	15	10	19	25	20	21	15	8	13	23	28	28.8
	Minimum	24	27	21	0	10	7	10	25	34	25	30	27	25	28	29	26	18	15	27	12	5	5	−3	−6	4	−3	10	−3	−12	3	−3	13.3
Williamsport	Maximum	35	35	32	31	31	32	32	35	52	40	42	42	36	40	40	40	34	31	31	34	32	23	22	25	26	23	25	22	13	25	28	31.6
	Minimum	29	27	27	12	18	19	16	31	35	31	33	32	30	34	35	34	28	25	30	22	14	14	10	10	14	0	15	12	2	10	12	21.3
Williamstown	Maximum	40	38	37	35	36	37	37	41	56	52	46	41	38	40	41	38	33	35	34	34	31	28	26	28	29	25	19	21	24	23	26	34.2
	Minimum	25	23	22	11	13	19	20	27	36	36	31	29	28	31	31	30	25	24	27	20	9	11	11	12	13	−3	9	9	2	7	12	19.4
York	Maximum	36	37	35	32	38	35	36	39	58	50	43	46	40	41	41	41	38	40	38	38	27	25	26	28	32	27	27	26	18	25	31	35.3
	Minimum	28	24	28	20	15	27	16	32	37	29	33	23	29	36	36	36	30	28	32	27	15	7	10	14	10	5	12	14	3	12	7	21.8

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION,

G. S. BLISS.

PHILADELPHIA, PA.

Vol. XL. Annual Summary, 1935. No. 13.

GENERAL SUMMARY.

January was a month of more than ordinary extremes, although its average temperature was near the normal. Its second week was decidedly mild, with temperatures twenty degrees or more above the normal on three dates. Beginning with the fourth week the cold was intense to the end of the month. Precipitation was a little below the January average, yet there was a moderate excess of snow. February was a moderate winter month with the exception of snowfall, which was about thirty percent greater than usual. March as a whole was mild and pleasant, and without much of the blusterly weather that usual-y characterizes the month. The precipitation was about twenty-five percent less than the March average, with the snowfall only about one-third of the normal. April was cold for the first three weeks and mild thereafter. This started the crop growing season in a backward condition, and much early planted seed failed to germinate. During the cold period, light to moderate rains and snows occurred at frequent intervals, and kept the top soil cold and wet. This was followed by a ten-day period of almost complete drought, during which the top soil dried out rapidly and in many places it baked hard, so that it plowed up umpy. May was unseasonably cold up to the 25th inclusive. Frosts occurred on several dates in nearly all parts of the State, but did not kill much vegetation. The low temperatures and cold soil resulted in a poor germination of seeds and a slow growth of vegetation. Corn planting made but little progress during the first three weeks, and then was rushed through near he end of the month. Conditions were favorable for winter wheat and rye, which made good progress, and pastures and meadows were also mostly in good condition. June was a sea-onable month as regards both temperature and precipitation. The normal rains served to check a tendency to drought that had been slowly accumulating since the first of the year, and also to generally stimulate a good healthy growth of crops. At he close of the month a fairly large portion of the corn had been cultivated for the last time, and the crop was promising. Rye and wheat harvest began in a few places, and oats was mostly headed. Early potatoes were in bloom, and looking fine. July was abnormally warm and humid, and was the first month of he year to show an appreciable excess in rainfall. However, he distribution of rainfall was very uneven, and while some regions received from two to three times as much as their normal, here were other regions in which there was an actual shortage. Torrential rains occurred in the eastern portion of the State on he 9th, and flooded the Lehigh and Schuylkill rivers with con-iderable damage. Considering the State as a whole, it may be aid that July was a good crop growing month. Wheat and rye harvest were finished by the 10th, and threshing began during he third week with generally good and some heavy yields reported. August was moderately warm, but with less than the usual extremes. However, the constant moderate temperature xcess became enervating, and gave the impression of being a ery warm month, The rainfall averaged a little less than the August normal, but fortunately there were heavy rains early in he month in the regions where the July rainfall had been deficient, and thus brought about a fairly well balanced condition. Rains were generally deficient during the last half of the month, and the top soil became very dry. Pastures and meadows suffered quite severely, especially in the Susquehanna drainage area. Corn was least affected of all of the crops, and became unusually promising. Early potatoes were mostly dug and marketed during the month with satisfactory results, but later varieties suffered considerablly from lack of moisture. Temperatures for September averaged on the cool side, due chiefly to a constant deficiency during the first ten days. The month closed with temperatures about ten degrees below the normal. At that time frosts occurred in nearly all parts of the State, but with no extensive damage to crops. The rainfall was a little more than the September average, due chiefly to excessive rains in a few southeastern counties. Nearly half of the month's rainfall occurred during the first week, after which the conditions were favorable for field work. The seeding of winter wheat and rye were well advanced at the close of the month. October began unseasonably cold, and the lowest temperatures for the month were recorded at most stations near the end of the week. These temperatures were low enough to kill growing crops in fully two-thirds of the State.

COMPARATIVE DATA (ANNUAL)

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest annual	Least annual	Average snowfall	.01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1888....	47.9	−2.1	100	−31	45.91	+3.53	64.11	22.80	39.7	130	110	116	140
1889....	49.8	−0.2	96	−27	52.67	+10.29	73.00	31.72	22.3	136	112	113	140
1890 ...	50.5	+0.5	101	−18	51.28	+8 90	71.00	34.02	55.5	14[illegible]	106	116	143
1891....	50.6	+0.6	100	−14	45.65	+3.27	64.00	32.21	34.1	124	124	108	133
1892....	49.3	−0.7	103	−28	41.30	−1.08	54.63	32.07	54.0	125	123	106	137
1893....	48.7	−1.3	102	−25	44.26	+1.88	58.56	30.62	61.6	126	116	120	129
1894....	51.3	+1.3	103	−28	43.69	+1.31	57.43	28.17	63.1	117	132	116	117
1895....	49.4	−0.6	104	−25	33.51	−8.87	40.80	21.17	39.7	104	143	115	107
1896....	50.5	+0.5	101	−26	41.95	−0.43	53.52	32.29	42.4	114	124	113	129
1897....	50.0	0.0	103	−12	42.73	+0.35	55.16	19.83	37.2	124	128	106	131
1898....	51.3	+1.3	107	−16	45.49	+3.11	56.95	34.07	38.8	130	123	107	135
1899....	50.0	0.0	101	−39	40.93	−1.45	51.13	28.36	47.9	112	134	111	120
1900....	51.5	+1.5	104	−23	37.31	−5.07	55.68	25.73	33.3	111	130	114	121
1901....	49.4	−0.6	107	−22	45.54	+3.16	56.83	29.81	35.4	123	118	111	136
1902....	49.6	−0.4	100	−24	47.29	+4.91	65.05	29.79	60.3	125	123	115	127
1903....	49.6	−0.4	99	−17	46.27	+3.89	57.16	35.90	37.3	121	130	105	130
1904....	47.5	−2.5	99	−42	40.44	−1.94	56.72	31.05	50.8	127	133	104	129
1905....	49.4	−0.6	99	−25	43.34	+0.96	59.38	33.53	40.9	128	133	109	123
1906....	50.8	+0.8	99	−21	42.78	+0.40	61.56	32.55	45.0	129	128	104	133
1907....	48.5	−1.5	98	−23	45.45	+3.07	64.05	31.79	54.5	132	136	102	127
1908....	50.9	+0.9	104	−29	39.58	−2.80	50.26	26.72	54.4	108	157	104	105
1909....	50.2	+0.2	100	−19	37.38	−5.00	48.79	27.91	41.4	117	140	102	123
1910....	49.9	−0.1	99	−22	38.99	−3.39	51.45	31.08	67.6	119	135	99	131
1911....	51.1	+1.1	105	−18	45.52	+3.14	67.61	29.25	39.2	133	131	93	141
1912....	49.0	−1.0	100	−35	44.13	+1.75	60.95	33.08	38.6	126	133	99	134
1913....	51.7	+1.7	102	−9	43.25	+0.87	56.06	32.48	24.4	125	148	84	133
1914....	49.3	−0.7	101	−28	38.24	−4.14	54.33	28.83	64.2	122	144	97	124
1915....	50.1	+0.1	99	−26	44.26	+1.88	61.96	33.40	42.8	131	141	99	125
1916...	49.6	−0.4	103	−31	40.98	−1.40	58.50	31.05	51.4	133	153	100	113
1917....	47.3	−2.7	105	−29	41.71	−0.67	62.68	23.65	45.6	130	143	110	112
1918....	50.2	+0.2	108	−34	41.06	−1.32	60.60	29.97	43.4	124	156	98	111
1919....	51.1	+1.1	104	−23	46.86	+4.48	58.30	31.55	26.2	136	152	96	117
1920....	49.2	−0.8	99	−23	40.63	−1.75	58.70	26.67	46.0	101	146	102	118
1921....	53.1	+3.1	104	−15	41.80	−0.58	62.91	30.08	30.2	130	155	96	114
1922....	51.4	+1.4	100	−19	34.88	−7.50	50.96	26.27	39.1	119	155	97	113
1923....	50.4	+0.4	103	−20	39.17	−3.21	52.84	23.75	40.7	125	158	91	116
1924....	48.4	−1.6	102	−25	43.13	+0.75	55.80	30.21	44.1	123	151	97	118
1925....	50.3	+0.3	104	−29	37.86	−4.52	55.47	25.95	44.2	124	149	101	115
1926....	48.7	−1.3	105	−20	43.11	+0.73	57.03	30.06	49.8	135	136	99	130
1927....	50.9	+0.9	100	−24	47.30	+4.92	63.93	32.88	30.3	140	142	91	132
1928....	50.5	+0.5	99	−23	42.06	−0.32	54.42	29.52	37.8	131	145	102	119
1929....	50.5	+0.5	101	−20	44.21	+1.83	58.69	33.13	36.7	129	144	99	122
1930....	51.2	+1.2	108	−24	28.82	−13.56	38.11	19.60	27.6	110	153	94	118
1931....	52.8	+2.8	105	−16	37.36	−5.02	51.03	27.04	22.5	123	151	94	120
1932....	51.6	+1.6	105	−14	39.02	−3.36	51.74	25.89	27.8	121	152	92	122
1933....	51.7	+1.7	107	−22	45.43	+3 05	62.55	25.91	33.1	135	146	96	123
1934....	50.6	+0.6	107	−34	39.17	−3.21	53.47	23.84	30.4	118	159	95	111
1935....	50.2	+0.2	104	−26	40.43	−1.95	56.29	25.46	49.7	136	138	92	135
Period.	50.0	......	108	−42	42.38	......	73.00	19.60	43.1	125	136	105	124

W. B. O. Philadelphia-3-9-36-1050.

Climatological Data for the Year 1935

Station	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic Drainage.																				
Allentown	Lehigh	254	13	50.6	95	July 12	−7	Jan. 28	23	43.67	7.91	July	1.04	May	33.2	135	202	60	103	ne.
Altoona	Blair	1,615	39	......	94	do. 20	−5	Dec. 26	48	37.71	4.39	May	1.56	Oct.	55.6	131	142	137	86	w.
Ardmore	Montgomery	350	4	52.5	95	do. 20	−3	Jan. 28	4	47.18	7.06	Sept.	1.68	May	42.9	121	......	......	......	......
Bedford	Bedford	1,060	4	50.9	94	do. 19†	−8	do. 28	4	39.33	4.70	July	1.95	Oct.	59.8	119	170	41	154	nw.
Bellefonte	Center	1,050	18	......	96	do. 20	......	....	27	30.97	5.38	May	1.26	Aug.	48.1	138	53	120	192	sw.
Bethlehem	Northampton	364	32	52.5	94	do. 11†	−3	Jan. 28	50	50.65	11.97	July	0.86	May	30.7	142	177	29	159	sw.
Carlisle	Cumberland	467	69	53.1	103	do. 20	−16	do. 28†	46	37.74	6.58	do.	1.26	Aug.	57.5	126	179	61	125	nw.
Catawissa	Columbia	520	39	......	......	....	−11	Feb. 7	39	*38.10	*6.39	do.	1.82	Jan.	......	......	......	......	......	......
Center Hall	Center	1,272	34	47.2	92	June 29†	−11	do. 7	39	35.47	5.92	do.	1.13	Apr.	60.8	113	189	56	120	......
Chambersburg	Franklin	580	36	52.7	99	July 20	−12	Jan. 28	39	35.51	4.17	Sept.	2.09	Feb.	48.0	123	112	121	132	sw.
Clearfield	Clearfield	1,120	25	48.7	94	do. 19†	−7	Feb. 7	28	46.00	8.15	July	2.08	Apr.	72.0	146	134	107	124	nw.
Coatesville	Chester	380	48	52.0	96	do. 20†	−8	Jan. 28	48	47.19	6.70	do.	1.57	Aug.	34.7	134	104	62	199	nw.
Colebrook	Lebanon	560	20	49.2	92	do. 19†	−14	do. 28	26	35.17	4.93	Nov.	1.58	do.	47.7	139	167	62	136	w.
Emporium	Cameron	1,050	48	47.6	92	do. 19	−16	Feb. 7	48	44.91	8.52	July	2.05	Apr.	59.5	147	104	124	137	sw.
Ephrata	Lancaster	380	35	52.8	99	do 20	−13	Jan 28	43	35.67	6.05	Nov.	1.45	May	42.5	123	143	80	142	n.
Freeland	Luzerne	1,970	42	......	88	do. 12	−8	do. 28	42	*45.58	8.32	July	1.79	Oct.	......	......	......	......	......	nw.
George School	Bucks	190	29	52.5	94	do. 12	−14	do. 28	29	40.81	5.17	Nov.	1.50	May	44.8	151	207	61	97	n.
Gettysburg	Adams	553	60	53.3	98	do. 20	−12	do. 28	62	32.81	3.65	Sept.	1.71	Aug.	42.7	134	165	76	124	w.
Gordon	Schuylkill	840	32	48.8	92	do. 12†	−18	Feb. 7	32	46.24	10.40	July	1.63	May	77.0	146	186	61	118	w.
Gouldsboro	Wayne	1,875	12	40.8	83	do. 6†	−26	do. 7	21	40.82	9.26	do.	1.47	Dec.	71.1	120	182	64	119	w.
Hanover	York	600	31	53.8	97	do. 20	−6	Jan. 28†	31	34.25	4.88	Nov.	0.93	Aug.	52.8	137	172	70	123	s.
Harrisburg	Dauphin	374	47	52.4	95	do. 20	−4	Feb. 7	66	31.44	3.46	July	1.42	May	42.0	133	86	132	147	w.
Hawley	Wayne	900	17	46.0	93	do. 6†	−23	Jan. 28	17	38.33	6.85	do.	1.22	Dec.	69.9	131	184	86	95	w.
Holtwood	Lancaster	200	16	53.8	94	do. 24	−3	Feb. 7	18	39.26	5.90	Nov.	1.24	Oct.	52.2	124	149	89	127	......
Huntingdon	Huntingdon	650	48	50.3	95	do. 19†	−9	Jan. 7	48	36.72	5.42	July	1.34	do.	33.8	115	133	93	139	nw.
Hyndman	Bedford	977	23	51.9	96	do. 12†	−9	do. 28	23	36.96	4.58	Aug.	1.42	Feb.	29.1	135	143	77	145	......
Kylertown	Clearfield	1,737	6	46.4	91	do. 20	−6	do. 24†	6	35.44	6.18	July	1.88	Oct.	72.2	149	104	93	16[illegible]	w.
Lancaster	Lancaster	255	32	51.4	97	do. 20	−18	do. 28	48	40.67	6.35	do.	1.56	do.	45.5	107	160	120	85	nw.
Lawrenceville	Tioga	1,000	38	47.6	97	do. 19	−17	Feb. 6†	38	37.15	5.83	do.	1.44	Feb.	58.0	120	133	113	119	......
Lebanon	Lebanon	469	47	51.4	97	do. 12	−11	Jan. 28	51	31.85	4.63	do.	1.24	May	46.1	123	195	89	81	sw.
Lock Haven	Clinton	580	45	51.2	97	do. 12†	−9	Feb 7	45	35.84	4.63	June	2.16	Feb	39.4	147	87	173	105	sw.
Marcus Hook	Delaware	50	10	......	97	do. 11†	−1	Jan. 27	10	49.49	9.41	Sept.	2.13	Dec.	34.6	118	217	45	103	ne.
Mauch Chunk	Carbon	600	46	48.5	94	do. 12	−11	Feb. 7	46	42.86	9.19	July	1.23	May	47.6	124	170	73	122	nw.
Mt. Pocono	Monroe	1,720	30	43.9	91	do. 19†	−12	Jan. 28	30	42.01	6.45	Oct.	0.76	do.	78.5	119	136	78	151	nw.
Muncy Valley	Sullivan	1,045	23	46.1	92	do. 19	−12	do. 28†	23	42.20	6.33	Nov.	2.05	Feb.	44.5	118	185	61	119	w.
Neshaminy Falls	Bucks	60	20	51.1	94	do. 12†	−18	do. 28	20	41.81	6.47	Sept.	1.34	Dec.	37.1	139	156	44	165	w.
Palmerton	Carbon	398	9	49.5	92	do. 12†	−11	do. 28	18	39.67	8.09	July	0.77	May	25.8	127	150	113	102	ne.
Philadelphia	Philadelphia	155	64	54.4	95	do. 20	3	do. 28	64	46.36	8.36	Sept.	1.55	Dec.	37.0	133	93	106	165	n.
Phoenixville	Chester	100	25	53.6	98	do. 12†	−14	do. 28†	26	49.21	8.84	July	1.86	May	48.4	117	158	124	83	nw.
Quakertown	Bucks	496	48	50.0	93	do. 12	−18	Feb. 7	50	48.32	6.92	do.	1.36	do.	36.7	138	150	95	120	nw.
Reading	Berks	514	38	52.6	95	do. 12	−2	Jan. 28	58	33.97	6.70	do.	0.99	do.	43.4	139	84	142	139	nw.
Retreat	Luzerne	900	2	48.6	92	do. 6	−10	do. 28	2	41.13	7.37	do.	1.88	Feb.	75.0	129	155	95	115	ne.
Scranton	Lackawanna	805	41	49.0	94	do. 6	−7	do. 28	41	44.21	7.91	do.	1.65	Dec.	64.1	155	72	139	154	sw.
Selinsgrove	Snyder	455	46	50.9	94	do. 20	−11	Feb. 7	46	34.16	5.05	Nov.	1.91	May	49.0	130	127	129	109	sw.
Shippensburg	Cumberland	660	3	......	97	do. 20	−10	Jan. 28	3	43.01	8.13	July	2.04	Aug.	57.6	126	131	81	153	sw.
State College	Center	1,217	47	49.1	93	do. 6†	−6	Feb. 7	51	37.41	5.83	do.	1.44	do.	53.2	139	131	124	110	w.
Stroudsburg	Monroe	500	19	48.8	93	do. 12	−15	Jan. 28	20	50.47	9.44	do.	1.15	May	35.3	106	213	50	102	w.
Towanda	Bradford	754	41	47.4	94	do. 19	−15	Feb. 7	41	31.86	4.25	June	1.76	Feb.	56.2	164	105	114	146	nw.
Wellsboro	Tioga	1,419	55	45.2	104	do. 5	−20	do. 7	65	25.46	3.15	Aug.	1.34	Sept.	61.5	109	208	67	90	nw.
Williamsport	Lycoming	521	46	49.7	96	do. 6	−6	do. 7	49	33.88	4.16	Nov.	2.19	Jan.	46.3	144	155	71	139	w.
Williamstown	Dauphin	1,275	20	......	......	....	−3	Jan. 24†	20	*32.96	5.42	July	1.16	Feb.	51.5	......	......	......	......	sw.
York	York	400	36	52.6	98	July 12†	−15	do. 28	47	32.32	4.46	Nov.	0.95	Aug.	39.5	131	169	104	92	s.
Ohio Drainage.																				
Beaver Dam	Beaver	700	22	52.1	94	July 31†	−4	Dec. 26	43	37.53	7.20	June	1.82	Oct.	27.7	154	80	75	210	sw.
Brookville	Jefferson	1,173	24	45.5	95	do. 20	−13	do. 29	46	47.72	9.60	July	1.61	Apr.	54.4	150	108	98	159	......
Chambersville	Indiana	1,047	6	49.4	99	do. 18	−10	do. 22	10	46.51	6.17	do.	2.57	Oct.	55.5	161	132	36	197	w.
Clairton	Allegheny	1,020	5	49.9	96	do. 20	−6	do. 26	5	35.64	5.57	Aug.	1.60	do.	34.7	140	75	101	189	s.
Claysville	Washington	1,150	31	52.0	96	do. 20	−4	Jan. 28†	31	45.17	8.88	do.	1.92	do.	38.6	161	172	45	148	w.
Corry	Erie	1,430	23	46.5	95	do. 19†	−17	Dec. 29	24	39.89	4.94	July	1.56	Apr.	72.2	166	125	121	119	w.
Derry	Westmoreland	1,172	39	51.7	92	Aug. 12	−5	do. 22	39	51.73	9.38	Aug.	2.47	Oct.	49.3	149	142	112	111	w.
Donora	Washington	762	9	53.9	97	July 11	0	Jan. 25†	9	37.04	5.91	do.	1.74	do.	......	140	104	112	149	......
Ebensburg	Cambria	2,000	18	......	88	do. 6†	−8	Dec. 26	18	*42.87	5.40	July	1.69	Apr.	80.2	......	......	......	......	w.
Elk Lick	Somerset	2,680	18	......	89	Aug. 13	....	....	18	*42.32	7.14	Aug.	1.70	Feb.	.....	......	......	......	......	.....
Franklin	Venango	957	42	48.8	103	July 19†	−7	Feb. 7	63	35.16	6.55	July	1.25	Apr.	36.5	130	113	45	207	w.
Greensburg	Westmoreland	1,150	27	50.9	93	do. 19	−4	Dec. 26	27	46.94	7.56	Aug	2.40	Oct.	60.5	176	100	137	128	sw.
Greenville	Mercer	950	39	49.2	98	do. 19†	−6	Jan. 28†	39	33.00	4.03	July	1.45	Apr.	34.0	137	146	65	154	......
Grove City	Mercer	1,256	28	49.2	95	do. 11	−6	Dec 26	28	40.37	6.44	do.	1.59	do.	52.7	153	98	89	178	nw.
Irwin	Westmoreland	1,100	36	50.9	92	do. 19†	−5	do. 26	39	47.92	5.95	Aug.	2.46	July	33.0	159	208	88	69	......
Johnstown	Cambria	1,184	46	51.6	96	do. 20	−3	do. 22†	54	49.19	8.18	July	2.02	Oct.	70.6	174	150	80	135	nw.
Kane (near)	Elk	2,020	3	45.1	91	do. 20	−15	Jan. 27	3	46.56	10.49	do.	2.62	Apr.	76.5	161	124	58	183	nw.
Lycippus	Westmoreland	1,420	43	50.6	94	do. 3†	−6	Dec. 26	44	47.12	6.09	May	2.56	Sept.	53.1	131	35	165	165	w.
Meadville	Crawford	1,080	42	49.7	98	do. 6	−8	Feb. 7	43	33.04	4.14	July	1.36	Oct.	54.4	146	139	46	180	w.
Mount Lebanon	Allegheny	1,200	10	50.7	94	do. 12†	−4	Dec. 26	10	38.63	7.11	Aug.	1.93	Sept.	36.7	145	129	61	175	nw.
New Castle	Lawrence	808	55	49.8	96	do. 20†	−7	do. 31	51	39.90	6.23	do.	1.96	Apr.	39.1	200	103	159	103	w.
Newell	Fayette	800	15	50.5	92	do. 20	−2	do. 26	15	43.07	9.96	do.	1.84	do.	......	128	149	101	115	......
Pittsburgh**	Allegheny	842	61	52.1	94	do. 20	−5	do. 26	64	34.44	4.92	do.	1.91	do.	41.8	159	72	100	193	sw.
Ridgway	Elk	1,350	20	46.0	93	do. 6	−13	do. 29	30	34.66	6.14	July	1.63	do.	43.3	156	97	88	180	s.
Sharon	Mercer	940	23	49.2	103	do. 20	−2	Jan. 27†	23	35.97	8.38	Aug.	1.15	do.	32.9	134	113	110	142	s.
Somerset	Somerset	2,190	68	46.6	89	do. 19	−19	Dec. 22	53	43.36	5.78	July	1.88	Oct.	88.5	167	68	116	181	sw.
Uniontown	Fayette	1,100	46	53.0	92	do. 19†	−4	Jan. 24†	47	49.50	9.86	Aug.	2.40	Sept.	32.0	176	127	122	116	sw.
Vandergrift	Westmoreland	825	22	51.1	96	do. 12†	−4	Dec. 29	22	39.73	7.35	do.	2.22	Oct.	......	125	172	117	76	......
Warren	Warren	1,180	41	48.0	92	do. 19	−10	do. 29	46	38.26	7.44	July	1.66	Apr.	70.9	168	141	61	163	nw.
Waynesburg	Greene	1,035	5	52.3	94	do. 19	−4	do. 22	5	40.45	6.26	Aug.	1.82	Nov.	19.5	124	48	161	156	sw.
Lake Drainage.																				
Erie	Erie	714	63	48.9	93	Aug. 12	−1	Dec. 26	63	31.52	7.54	July	1.17	Apr.	50.5	165	100	100	165	w.
For the State§	......	......	......	50.2	104	July 5	−26	Feb. 7	......	40.43	13.50	July	0.50	Oct.	49.7	136	138	92	135	w.

† On other days also. * Monthly amount interpolated; annual amount partly interpolated. § From all available records. ** After July 1st observations made at Pittsburgh airport.

Monthly and Annual Precipitation for the Year 1935, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Allentown	2.63	−0.88	2.20	−0.92	2.63	−0.59	2.70	−1.06	1.04	−2.50	4.56	+1.10	7.91	+3.13	4.15	−0.46	5.13	+1.78	3.50	+0.16	5.62	+2.94	1.61	−1.82	43.67	+0.88
Ardmore	4.48	+0.89	2.86	−0.53	2.29	−1.24	3.19	−0.86	1.68	−2.17	4.55	+0.57	4.71	+0.42	5.05	−0.41	7.06	+3.11	3.76	+0.84	5.59	+2.05	1.96	−1.35	47.18	+1.82
Bethlehem	3.02	−0.53	2.12	−1.25	3.17	−0.24	2.19	−1.04	0.86	−2.71	4.84	+0.80	11.97	+7.37	3.23	−1.07	4.44	+1.10	6.13	+2.92	7.05	+3.95	1.63	−1.69	50.65	+7.61
Coatesville	4.65	+0.68	2.59	−1.37	2.53	−1.55	4.57	+0.80	1.86	−2.08	5.47	+1.40	6.70	+1.88	1.57	−2.80	5.56	+1.72	2.99	−0.42	6.39	+3.23	2.31	−1.60	47.19	−0.11
Conshohocken	4.46	+1.26	3.31	+0.01	*1.94	−1.30	2.21	−1.51	2.09	−1.47	*5.02	+1.76	5.17	+0.58	3.44	−1.43	8.47	+5.17	*3.49	−0.20	4.03	+1.05	1.55	−1.07	45.18	+2.85
Doylestown	3.39	−0.11	2.30	−1.38	2.00	−1.70	2.05	−1.92	1.20	−2.70	4.80	+0.88	5.67	+0.79	4.10	−1.13	4.78	+0.98	3.63	−0.09	3.80	+0.65	1.91	−1.78	39.63	−7.51
Freeland	2.92	−0.65	2.73	−0.47	2.97	−0.60	3.77	−0.59	2.15	−2.33	5.52	+0.98	8.32	+3.56	3.53	−1.12	*3.29	−0.49	1.79	−2.08	6.35	+2.67	2.24	−1.22	45.58	−2.24
George School	4.21	+1.05	2.45	−0.64	2.64	−0.53	1.56	−2.07	1.50	−2.01	4.80	+1.43	4.39	+0.05	2.94	−1.64	5.11	+1.84	4.43	+1.29	5.17	+2.58	1.61	−1.76	40.81	−0.43
Gouldsboro	2.51	−0.68	2.38	−0.72	2.03	−1.01	1.95	−1.86	1.85	−2.32	4.06	−0.93	9.26	+4.24	2.75	−1.59	3.25	−0.39	3.68	−0.15	5.63	+2.36	1.47	−1.36	40.82	−4.41
Graterford	3.65	+0.59	1.86	−1.39	1.22	−1.61	1.99	−1.62	2.44	−0.61	6.46	+3.00	7.09	+2.63	3.16	−0.41	7.69	+5.09	2.89	+0.35	4.83	+2.14	1.75	−0.97	45.03	+7.19
Hamburg	*2.54	−0.97	*2.63	−0.80	3.02	−0.78	2.70	−1.42	1.17	−3.24	3.03	−1.18	7.21	+2.29	1.09	−3.91	2.53	−1.52	2.48	−1.31	7.40	+4.52	2.61	−0.98	38.41	−9.30
Hawley	2.57	−0.01	2.09	−0.45	1.96	−0.82	2.72	−0.71	2.10	−1.43	5.09	+1.30	6.85	+2.79	2.04	−2.01	2.91	−0.45	4.20	+0.92	4.58	+1.86	1.22	−1.66	38.33	−0.67
ollisterville	2.73	......	2.27	......	2.04	......	3.49	......	1.65	......	4.80	......	9.29	......	1.50	......	3.21	......	3.61	......	5.52	......	2.01	......	42.12	......
akeville	3.25	......	2.64	......	2.39	......	3.61	......	2.65	......	5.80	......	8.93	......	2.32	......	3.72	......	6.05	......	4.49	......	1.66	......	47.51	......
ansford	2.39	−0.75	1.43	−1.33	2.72	−0.28	2.75	−0.81	1.22	−2.37	7.05	+2.49	8.97	+4.67	3.30	−1.08	3.09	−0.73	2.29	−1.80	5.30	+2.58	1.97	−1.37	42.48	−0.78
ehighton	3.42	......	2.05	......	*2.58	......	1.96	......	1.49	......	6.83	......	9.21	......	2.39	......	3.79	......	3.47	......	5.94	......	2.03	......	45.16	......
arcus Hook	3.80	......	2.78	......	2.42	......	3.45	......	3.12	......	5.42	......	3.38	......	5.28	......	9.41	......	2.51	......	5.79	......	2.13	......	49.49	......
atamoras	2.37	−0.33	1.47	−1.10	2.00	−1.08	1.80	−1.66	1.95	−1.33	3.85	−0.12	5.71	+2.06	2.00	−1.76	3.36	+0.10	5.83	+2.69	4.41	+1.63	1.08	−1.90	35.83	−2.80
auch Chunk	2.87	−0.87	2.16	−1.58	2.30	−1.89	2.01	−1.95	1.23	−2.78	5.61	+1.19	9.19	+4.30	2.21	−2.55	3.11	−0.89	3.99	+0.20	6.18	+2.74	2.00	−2.00	42.86	−6.08
ount Pocono	2.78	−0.45	2.35	−0.67	2.03	−1.50	2.44	−1.56	0.76	−3.24	3.19	−2.06	6.38	+1.21	2.78	−1.46	4.65	−0.31	6.45	+1.59	6.06	+3.05	2.14	−1.44	42.01	−6.84
eshaminy Falls	3.59	+0.47	2.50	−0.36	2.54	−0.23	2.26	−1.12	2.16	−1.47	4.48	+0.72	3.24	−1.41	3.67	−1.15	6.47	+3.07	5.17	+2.01	4.39	+1.97	1.34	−1.93	41.81	+0.57
almerton	2.21	−0.36	1.65	−0.58	2.27	−0.32	1.47	−1.75	0.77	−3.08	5.28	+1.05	8.09	+3.78	2.35	−1.36	4.05	+0.58	4.39	+1.25	5.73	+2.84	1.41	−0.94	39.67	+1.11
aupack	2.37	−0.27	1.83	−0.79	1.49	−1.62	3.03	−0.85	2.76	−0.82	5.91	+1.93	6.52	+2.28	1.86	−2.80	3.32	−0.70	5.09	+1.29	4.43	+1.51	1.33	−1.62	39.94	−2.46
hiladelphia	4.21	+0.91	3.12	−0.20	2.11	−1.28	2.12	−0.93	2.21	−1.05	6.25	+3.01	5.07	+0.92	3.34	−1.28	8.36	+5.22	3.95	+1.14	4.07	+1.37	1.55	−1.88	46.36	+5.95
hiladelphia-Gtn	4.15	......	3.16	......	2.18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
hila. Navy Yard	3.81	+0.70	2.64	−0.72	2.37	−0.75	2.27	−1.12	2.40	−0.81	7.27	+3.46	3.86	−1.06	3.12	−1.42	8.13	+4.98	3.88	+1.24	4.68	+2.33	1.66	−1.44	46.09	+5.39
hila-Point Breeze	4.13	+1.07	3.06	+0.08	2.19	−0.92	1.97	−1.40	2.44	−0.99	6.25	+2.81	4.44	+0.08	2.90	−1.95	8.49	+5.05	3.99	+1.28	4.99	+2.10	1.28	−1.12	46.13	+6.09
hoenixville	3.61	−0.05	2.57	−0.69	2.18	−1.13	3.21	−0.32	1.86	−2.10	4.43	+0.82	8.84	+3.94	3.96	−0.70	6.82	+3.57	3.69	+0.52	5.89	+3.02	2.15	−0.97	49.21	+5.91
easant Mount	4.12	−0.13	2.65	−0.85	3.32	−0.49	4.45	+0.49	3.36	−1.29	4.87	+0.12	4.55	−1.05	2.12	−2.18	4.04	+0.31	5.96	+1.82	6.55	+2.50	2.18	−0.86	48.17	−1.61
ottstown	2.79	−0.57	2.44	−1.00	2.01	−1.54	2.40	−0.87	1.04	−3.09	2.61	−1.15	6.88	+1.85	1.53	−2.48	2.90	−0.37	1.65	−1.45	4.99	+1.96	1.79	−1.65	33.03	−10.36
ottsville	2.28	−1.56	2.17	−1.42	2.74	−1.17	2.82	−0.86	1.26	−3.08	4.70	+0.28	13.50	+8.66	4.08	−0.78	3.52	−0.48	2.00	−1.98	4.20	+0.85	1.94	−1.91	45.21	−3.45
uakertown	3.69	+0.21	2.03	−1.61	2.46	−1.07	2.48	−0.87	1.36	−2.52	4.31	+0.69	6.92	+1.96	5.55	+1.18	4.82	+1.19	6.73	+3.39	6.03	+2.89	1.94	−1.50	48.32	+3.94
eading	3.05	−0.52	2.56	−0.86	2.09	−1.43	2.44	−0.83	0.99	−2.68	2.76	−0.79	6.70	+2.44	1.44	−2.77	3.09	−0.12	1.71	−1.41	5.23	+2.50	1.91	−1.65	33.97	−8.12
hawmont	3.39	+0.11	2.28	−0.99	2.09	−1.32	2.90	−0.40	1.93	−1.39	4.12	+0.63	7.82	+3.46	5.38	+0.35	6.70	+3.42	3.49	+0.33	3.89	+1.07	1.35	−2.22	45.34	+3.05
now Hill	2.99	......	1.92	......	2.27	......	1.66	......	1.55	......	5.77	......	9.37	......	2.62	......	......	......	......	......	......	......	......	......	......	......
roudsburg	2.70	−0.41	2.14	−0.85	3.06	−0.59	3.20	−0.86	1.15	−2.34	4.36	−0.14	9.44	+4.27	3.12	−1.85	6.48	+3.59	5.89	+2.18	7.44	+4.16	1.49	−1.84	50.47	+5.32
est Chester	3.61	−0.18	2.77	−1.05	3.07	−0.83	4.23	+0.44	2.16	−2.16	4.84	+0.57	8.90	+4.20	3.54	−1.09	7.91	+4.02	6.09	+2.45	6.33	+2.80	2.84	−1.06	56.29	+8.11
estgrove	4.50	......	2.07	......	2.60	......	3.28	......	2.17	......	4.94	......	9.15	......	3.52	......	7.08	......	2.90	......	5.40	......	2.48	......	50.09	......
onsville	4.60	......	2.99	......	2.59	......	2.57	......	1.48	......	4.08	......	9.12	......	4.93	......	5.24	......	3.55	......	6.81	......	1.88	......	49.84	......
Altoona	3.18	+0.59	3.12	+0.91	2.32	−0.40	2.03	−1.10	4.39	+0.45	3.52	−0.34	4.24	+0.70	3.60	+0.27	2.59	−0.28	1.56	−1.11	3.36	+1.13	3.80	+1.38	37.71	+2.20
Ansonia	1.82	−0.28	1.49	−0.42	1.78	−0.36	2.39	−1.10	2.72	−0.94	3.13	−0.81	5.15	+1.97	4.07	+0.67	2.20	−0.95	2.75	−0.18	2.15	+0.01	2.22	+0.32	31.87	−1.09
Arendtsvile	3.66	+0.91	1.59	−1.18	2.71	−0.76	2.15	−1.04	1.99	−1.92	3.11	−1.31	7.47	+3.61	3.39	−0.09	4.03	+0.39	4.17	+0.81	3.93	+1.24	*2.66	−0.15	40.86	+0.51
Baker's Summit	2.89	+0.16	2.58	−0.60	2.47	−0.18	2.36	−1.35	3.80	+1.07	5.37	+1.03	6.17	+2.89	3.88	+1.06	4.22	+1.95	1.58	−2.39	3.06	+0.32	2.77	+0.41	41.15	+4.37
Bedford	3.58	......	2.44	......	2.34	......	2.13	......	4.12	......	4.20	......	4.70	......	4.55	......	3.26	......	1.95	......	2.58	......	3.48	......	39.33	......
Bellefonte	2.03	−0.74	1.77	−0.67	2.05	−1.37	1.72	−2.30	5.38	+1.67	3.00	−1.88	4.03	+0.27	1.26	−2.58	1.34	−1.77	1.88	−1.15	3.25	+1.14	3.26	+0.58	30.97	−9.80
Bloserville	1.00	−2.35	2.85	+0.25	3.51	+0.54	1.95	−1.91	1.93	−2.25	2.80	−2.51	8.28	+3.24	1.70	−3.84	3.97	−0.04	4.12	+0.49	3.71	+1.02	2.07	−0.85	37.89	−9.21
Buffalo Mills	3.31	......	1.89	......	1.99	......	2.50	......	4.28	......	3.74	......	3.38	......	4.08	......	3.38	......	2.04	......	2.39	......	2.17	......	35.15	......
Carlisle	2.43	−0.69	2.61	−0.46	3.10	−0.28	3.07	−0.37	1.73	−2.07	4.58	+0.50	6.58	+2.74	1.26	−3.18	3.01	−0.47	3.40	+0.17	2.73	−0.38	3.24	+0.40	37.74	−4.09
Catawissa	1.82	−1.34	2.91	+0.22	2.35	−0.54	2.82	−0.72	*2.21	−1.39	4.91	+0.94	*6.39	+2.75	2.74	−1.02	3.07	−0.35	2.31	−0.79	4.36	+1.62	2.21	−0.58	38.10	−1.20
Center Hall	1.71	−0.85	3.29	+0.83	2.08	−0.97	1.13	−1.96	2.91	−1.12	4.86	+0.44	5.92	+1.99	1.49	−2.19	2.06	−1.01	2.24	−0.68	3.68	+1.42	4.10	+1.57	35.47	−2.53
Clearfield	3.12	−0.50	3.84	+1.11	2.94	−0.44	2.08	−1.59	4.60	+0.12	3.89	−1.07	8.15	+3.97	5.10	+0.99	3.37	−0.11	2.15	−1.09	3.43	+0.38	3.33	+0.37	46.00	+2.14
Colebrook	3.02	−0.33	2.08	−0.98	3.36	−0.10	3.78	−0.32	1.63	−1.58	2.65	−1.57	4.43	−0.02	1.58	−3.07	2.98	−0.59	2.01	−1.27	4.93	+2.35	2.72	−0.51	35.17	−7.99
Emporium	3.27	−0.27	3.83	+0.83	3.43	−0.19	2.05	−1.51	4.07	−0.32	4.84	+0.34	8.52	+4.19	2.26	−1.63	3.63	+0.14	2.41	−0.84	2.88	−0.01	3.72	+0.49	44.91	+1.22
phrata	3.14	+0.10	2.31	−0.78	2.10	−1.29	3.15	−0.38	1.45	−1.94	2.87	−1.45	5.52	+1.19	1.70	−3.73	3.36	−0.11	1.62	−1.46	6.05	+3.58	2.40	−0.82	35.67	−6.19
orest City	4.06	+1.51	2.14	−0.12	2.28	−0.03	3.05	−0.88	3.35	−0.57	4.71	+0.08	6.68	+2.22	2.72	−1.61	4.28	+0.57	5.16	+1.80	4.72	+1.41	1.80	−0.64	44.95	+3.74
aleton	2.40	......	2.54	......	2.49	......	2.72	......	3.06	......	4.01	......	5.74	......	3.58	......	2.29	......	3.33	......	2.31	......	2.65	......	37.12	......
rardville	2.20	−1.92	2.42	−1.40	3.44	−0.71	3.48	−0.60	1.66	−2.76	6.80	+1.95	7.88	+2.52	2.72	−2.23	*3.25	−1.03	2.58	−1.59	3.99	+0.49	2.84	−1.28	43.26	−8.56
ordon	2.56	−1.26	2.29	−1.08	3.52	−0.30	3.14	−1.22	1.63	−2.23	6.72	+2.18	10.40	+5.40	3.51	−0.73	2.86	−1.37	2.46	−1.73	4.40	+1.26	2.75	−1.07	46.24	−2.16
anover	3.48	+0.31	2.10	−0.60	3.08	+0.02	3.32	−0.20	2.61	−0.63	2.72	−1.27	2.96	−1.29	0.93	−3.33	3.65	+0.57	1.87	−1.00	4.88	+2.74	2.65	−0.40	34.25	−5.08
arrisburg	1.95	−1.14	2.12	−0.84	2.80	−0.24	2.69	0.00	1.42	−2.02	3.33	−0.26	3.46	−0.37	2.37	−1.67	3.32	+0.27	2.58	−0.35	3.19	+0.93	2.21	−0.81	31.44	−6.50
oltwood	3.35	+0.07	1.95	−0.73	2.31	−0.35	4.23	+1.30	2.02	−0.86	5.31	+1.97	4.69	+0.56	1.88	−1.87	3.91	+1.40	1.24	−1.24	5.90	+3.58	2.47	+0.11	39.26	+3.94
untingdon	3.16	−0.07	2.84	−0.01	2.42	−0.93	2.32	−1.12	4.05	−0.09	2.97	−1.31	5.42	+1.45	4.37	+0.59	2.28	−1.03	1.34	−1.65	2.83	+0.45	2.72	−0.21	36.72	−3.93
ylertown	3.01	......	2.60	......	2.10	......	2.07	......	3.58	......	3.31	......	6.18	......	2.32	......	2.89	......	1.88	......	2.86	......	2.64	......	35.44	......
ncaster	3.30	+0.06	2.40	−0.31	2.42	−0.91	4.68	+1.19	1.62	−1.61	3.72	−0.25	6.35	+2.47	1.90	−1.90	3.99	+0.63	1.56	−1.55	5.99	+3.46	2.70	−0.42	40.63	+0.86
wrenceville	1.85	−0.12	1.44	−0.37	2.07	−0.24	3.10	+0.06	2.85	−0.73	5.35	+1.39	5.83	+1.81	4.44	+0.89	3.30	+0.29	2.96	+0.18	2.11	−0.22	1.85	−0.15	37.15	+2.79
banon	2.42	−1.03	2.27	−1.07	2.47	−1.09	3.67	+0.19	1.24	−2.62	2.19	−1.96	4.63	+0.24	1.92	−2.38	3.22	−0.11	1.63	−1.85	3.85	+0.96	2.34	−1.06	31.85	−11.78
ock Haven	2.60	−0.54	2.16	−0.62	2.87	−0.48	2.65	−0.80	2.68	−1.21	4.63	+0.28	2.99	−1.06	3.31	−0.76	2.46	−0.95	3.02	−0.12	3.81	+1.40	2.66	−0.30	35.84	−5.16
ifflin	2.93	0.00	2.77	+0.34	1.86	−1.02	2.51	−1.27	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
orris Run	2.41	+0.22	2.01	−0.93	1.81	−0.57	3.38	−0.23	2.58	−0.99	4.15	+1.21	3.53	+0.53	3.56	+0.58	2.26	−0.03	3.65	−0.38	3.65	0.00	2.46	+0.31	35.48	−3.20
uncy Valley	3.26	+0.06	2.05	−0.42	2.37	−0.16	3.32	−0.85	3.08	−1.28	4.72	−0.21	6.00	+1.25	2.76	−1.84	2.90	−0.95	3.06	−0.47	6.33	+3.23	2.35	−0.49	42.20	−2.13
ew Park	3.04	+0.36	1.33	−1.97	3.19	+1.03	4.35	−0.26	2.15	−0.42	3.65	−0.80	5.48	+2.18	3.84	+0.61	5.04	+0.98	2.23	−1.15	5.69	+2.40	2.34	−0.24	42.33	+1.50
ewport	2.54	......	2.93	......	2.57	......	3.02	......	2.10	......	4.86	......	7.25	......	1.35	......	3.41	......	2.99	......	3.62	......	2.54	......	39.18	......
ne Grove	2.34	−0.24	3.22	+0.65	2.87	−0.05	3.11	−0.28	1.45	−2.00	4.13	−0.38	8.21	+4.12	3.03	−0.67	3.21	−0.02	2.11	−1.59	5.15	+1.95	2.73	+0.34	41.56	+1.83
enovo	3.13	+0.45	3.01	−0.62	1.73	−1.22	2.45	−0.86	4.05	+0.37	3.84	−0.41	6.86	+2.70	2.90	−0.75	2.15	−0.95	3.05	+0.04	3.74	+1.26	2.62	+0.08	39.53	+1.33
etreat	3.23	......	1.88	......	3.07	......	3.66	......	2.12	......	3.54	......	7.37	......	2.74	......	3.37	......	2.39	......	5.82	......	1.94	......	41.13	......
ranton	2.03	−1.00	1.87	−1.17	2.02	−1.18	3.50	+0.73	2.84	−0.43	4.33	+0.66	7.91	+3.88	4.95	+1.26	3.52	+0.35	3.43	+0.40	6.16	+3.39	1.65	−1.37	44.21	+5.52
linsgrove	2.64	−0.40	2.50	−0.40	2.24	−1.32	2.62	−0.98	1.91	−2.08	3.54	−0.66	4.03	−0.09	1.94	−2.12	2.77	−0.75	2.40	−1.13	5.05	+2.29	2.52	−0.52	34.16	−8.16
ippensburg	2.74	......	2.74	......	3.49	......	2.80	......	2.67	......	3.04	......	8.13	......	2.04	......	3.44	......	3.51	......	5.44	......	2.97	......	43.01	......
ate College	2.74	−0.25	3.15	+0.41	2.68	−0.50	2.24	−1.16	3.59	−0.35	3.78	−0.51	5.83	+2.00	1.44	−2.07	2.40	−0.66	2.11	−0.80	4.14	+1.73	3.31	+0.69	37.41	−1.47
nbury	2.35	−0.85	3.08	+0.29	3.31	+0.47	2.91	−0.88	2.03	−1.67	4.65	+0.21	4.89	+0.81	1.88	−1.60	3.19	−0.26	2.11	−1.10	5.56	+3.24	3.00	+0.22	38.96	−0.60
squehanna	*3.06	......	*2.06	......	2.57	......	3.27	......	1.94	......	3.53	......	5.61	......	2.19	......	2.39	......	4.47	......	5.68	......	1.96	......	38.73	......
owanda	1.84	−0.22	1.76	−0.23	1.95	−0.61	3.74	+0.74	2.08	−1.11	4.25	+0.44	3.24	−0.52	2.82	−0.61	2.30	−0.85	2.15	−0.78	3.73	+1.56	2.00	−2.24	31.86	−2.43
eikert	2.16	−0.98	2.22	−0.33	2.09	−1.12	3.01	−1.10	2.42	−1.48	5.17	+0.86	4.53	+0.49	2.06	−1.29	2.72	−0.58	3.60	−0.24	4.66	+1.63	2.87	+0.17	37.51	−3.97
ellsboro	2.10	−0.39	1.59	−0.69	1.57	−1.50	2.03	−1.45	2.24	−1.62	2.64	−1.35	2.31	−1.44	3.45	−0.06	1.34	−1.82	2.49	−0.59	1.70	−0.92	2.00	−0.46	25.46	−12.29
ilkes-Barre	2.11	−0.55	2.22	−0.70	1.82	−1.32	2.69	−0.14	1.86	−1.71	4.94	+0.88	8.85	+4.69	3.01	−0.83	2.56	−0.81	2.43	−0.57	6.05	+3.51	1.93	−0.99	40.47	+1.46
illiamsport	2.19	−0.76	2.23	−0.37	2.25	−0.95	3.21	−0.27	2.56	−0.85	3.19	−0.74	3.89	0.00	2.89	−1.09	2.31	−0.96	2.75	−0.65	4.16	+1.58	2.25	−0.67	33.88	−5.73
illiamstown	2.26	−0.93	1.16	−1.60	1.78	−1.01	2.81	−0.85	1.77	−2.10	4.59	−0.22	5.42	+0.14	*2.29	−1.42	3.27	−1.03	2.33	−1.36	3.65	+0.33	1.63	−1.16	32.96	−11.21
ork	2.85	−0.07	1.95	−0.94	2.74	−0.42	3.84	+0.68	2.34	−0.97	3.17	−0.41	2.79	−1.45	0.95	−3.00	2.75	−0.56	2.02	−0.99	4.46	+1.97	2.46	−0.47	32.32	−6.63
ork Haven	2.45	−0.33	1.63	−0.99	2.91	+0.40	3.42	−0.08	2.01	−1.54	2.38	−2.50	5.02	+0.94	0.87	−2.33	2.71	−0.79	2.15	−1.03	4.25	+2.10	2.24	−0.17	32.07	−6.32
Beaver Dam	3.06	+0.18	2.46	+0.06	2.18	−1.17	1.84	−1.24	4.02	+0.77	7.20	+2.59	2.21	−1.56	5.40	+1.88	2.27	−0.79	1.82	−0.68	2.41	−0.14	2.66	−0.05	37.53	−0.15
Beaver Falls	2.56	−0.38	2.70	+0.26	1.65	−1.08	1.63	−1.40	4.19	+0.97	4.78	+0.56	3.22	−0.22	7.21	+3.87	2.86	−0.30	1.82	−0.90	2.41	+0.08	2.96	+0.35	37.99	+1.76
Bradford	2.93	−0.52	2.73	+0.10	3.17	−0.06	1.55	−2.21	3.25	−0.40	5.04	+0.49	6.46	+2.85	4.64	+1.39	4.29	−0.12	1.92	−1.62	2.42	−1.03	3.09	+0.02	41.49	−1.11
Brookville	3.78	+0.70	2.92	+0.55	2.43	−0.65	1.61	−1.29	4.72	+1.13	4.74	+0.44	9.60	+5.30	6.00	+2.13	3.15	−0.18	2.05	−0.93	2.87	−0.14	3.85	+0.90	47.72	+7.96
Butler	3.47	+0.54	1.86	−0.56	1.97	−1.39	2.37	−1.07	......	......	......	......	......	......	5.71	+1.51	4.23	+1.30	2.40	−0.75	3.00	+0.12	......	......	......	......
hambersville	3.38	−0.48	3.92	+0.90	3.26	−0.48	3.29	−0.65	4.56	+0.31	3.38	−1.48	6.17	+1.45	3.76	−0.30	4.51	+0.66	2.57	−0.92	4.46	+1.51	3.25	−0.08	46.51	+0.44

* Monthly amount interpolated; annual amount partly interpolated.

(Continued on page 64).

Monthly and Annual Precipitation for the Year 1935, with Departures from the Normal.—Continued

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
OHIO BASIN.—Cont.																										
Clairton	2.28	......	3.20	.....	3.13	......	2.71	......	3.85	......	4.12	......	2.42	......	5.57	......	2.17	......	1.60	.....	2.18	......	2.41	......	35.64	......
Claysville	2.60	−0.70	3.62	+1.11	3.57	+0.24	3.23	−0.23	4.66	+1.04	5.16	+0.75	3.59	−0.59	8.88	+5.09	2.45	−0.76	1.92	−1.37	2.55	+0.13	2.94	−0.04	45.17	+4.67
Confluence	4.91	+0.94	2.78	−0.61	3.20	−0.59	2.67	−0.90	5.78	+1.81	3.33	−1.25	4.13	−0.54	8.42	+4.41	1.98	−1.13	1.56	−1.42	2.03	−0.95	2.83	−0.63	43.62	−0.89
Connellsville	......	......	......	......	......	......	2.93	......	4.97	......	3.28	......	5.18	......	5.89	......	2.68	......	2.39	......	2 45	......	2.09	......	......	......
Corry	3.46	0.00	3.75	+0.50	2.71	−0.63	1.56	−2.11	2.39	−1.89	4.77	−0.55	4.94	+1.31	3.43	−0.17	4.33	+0.35	1.87	−2.16	2.21	−2.01	4.47	+1.04	39.89	−6.32
Derry	3.45	−0.43	4.13	+0.99	4.30	+0.42	2.62	−1.16	5.49	+1.89	3.37	−1.52	6.75	+2.19	9.38	+5.35	2.71	−0.40	2.47	−0.71	3.62	+0.89	3.44	+0.16	51.73	+7.67
Donora	2.99	......	3.52	......	2.79	......	2.31	......	4.93	......	3.27	......	1.90	......	5.91	......	2.32	......	1.74	......	2.54	......	2.82	......	37.04	......
Ebensburg	4.50	+1.36	3.19	+0.31	3.30	+0.64	1.69	−1.81	5.26	+1.18	3.26	−1.44	5.40	+1.26	2.75	−1.17	2 25	−1.26	*2.15	−1.30	4.23	+1.02	4.89	+2.35	42.87	+1.14
Elk Lick	*4.25	+0.59	1.70	−1.68	1.84	−1.42	*2.40	−1.60	*4.99	+0.99	5.09	−0.52	3.85	−0.27	7.14	+2.69	3.88	+0.84	1.75	−1.86	2.13	−1.02	3.30	+0.21	42.32	−3.09
Franklin	2.61	−0.97	2.83	0.00	1.87	−1.56	1.25	−1.86	3.10	−0.48	4.27	−0.24	6.55	+2.05	3.86	+0.16	1.78	−1.80	1.81	−1.29	2.42	−0.70	2.81	−0.52	35.16	−7.21
Greensboro	3.61	+0.09	2.94	0.00	3.14	−0.36	2.99	−0.16	4.60	+0.85	3.15	−1.47	3.01	−1.56	6.22	+2.57	2.27	−0.77	2.82	−0.05	1.92	−0.84	2.41	−0.64	39.08	−2.34
Greensburg	3.55	−0.03	4.04	+0.99	4.49	+1.42	2.84	−0.82	4.66	+0.79	4.49	+0.11	2.64	−1 06	7.56	+3.61	3.36	+0.15	2.40	−0.74	3.00	+0.52	3.91	+0.79	46.94	+5.73
Greenville	2.76	−0.75	2.47	−0.07	1.96	−1.54	1.45	−1.96	2.81	−0.77	3.40	−0.58	4.03	−0.25	3.76	+0.36	2.16	−1.31	3.00	−0.43	2.72	−0.35	2.48	−0.42	33.00	−8.07
Grove City	2.92	−0.38	3.24	+0.90	2.10	−1.06	1.59	−1.98	3.89	−0.24	4.22	+0.19	6.44	+2.12	5.21	+1.95	2.77	−0.79	1.96	−1.42	2.57	−0.47	3.46	+0.43	40.37	−0.75
Herrs Island Dam	2.85	−0.09	3.67	+1.20	2.92	−0.36	2.08	−1.07	4.14	+1.09	3.32	−0.86	2.19	−1.43	4.41	+1.12	2.68	+0.18	2.03	−0.70	2.28	+0.07	3.23	+0.49	35.80	−0.36
Irwin	3.80	+0.88	3.87	+1.43	4.30	+0.99	3.45	+0.25	4.91	+1.69	5.65	+1.22	2.46	−1.36	5.95	+2.24	2.90	+0.18	3.12	+0.27	3.62	−1.25	3.89	+0.98	47.92	+10.02
Johnstown	5.08	+0.89	3.70	−0.08	3.32	−0.71	2.58	−1.46	4.81	+0.39	3.06	−2.11	8.18	+3.81	6 88	+2.55	2.84	−0.69	2.02	−0.99	3.25	+0.22	3.47	−0.14	49.19	+1.68
Kane (near)	3.59	......	3.46	......	3.13	......	2.02	......	3.47	......	4.71	......	10.49	......	3.04	......	2.85	......	2.65	......	3.27	......	3.88	......	46.56	......
Kregar	3.16	...	3.23	....	3.71	......	2.76	.....	5.25	......	4 28	......	5.01	......	6.39	.....	2.71	......	2.19	......	2.90	......	3.57	......	45.16	......
Lake Lynn	3.97	......	2.66	......	4.02	......	2.95	......	5.42	.....	4 12	......	4.04	......	5.39	......	1.80	......	2.22	......	1.61	......	2.45	......	40.65	......
Linesville	2.89	−0.11	2.75	+0.65	2.16	−1.06	*1.71	−1.46	*2.97	−0.44	3.24	−0.76	3.32	−0.37	2.89	−0.43	3.15	−0.75	1.56	−2.17	2.18	−0.84	3.71	+0.49	32.53	−7.25
Lock No.2 (Neville)	2.72	−0.43	2.95	+0.26	3.69	+0.54	1.84	−1.33	3.56	+0.25	3.35	−0.92	2.69	−1.00	5.96	+2.82	1.39	−1.85	2.62	−0.31	2.13	−0.24	2.49	−0.35	35.39	−2.56
Lock No. 4	3.28	+0.16	3.72	+0.96	2.91	−0.40	2.28	+0.03	4 66	+1.05	3.17	−0.77	1.59	−2.43	8.70	+5.18	2.35	−0.50	1.86	−0.98	2.38	−0.14	3.22	+0.31	40.12	+1.47
Lock No. 5	3.53	−0.23	3.41	+0.25	3.06	−0.52	2.41	−0.97	4.49	+0.62	4.04	−0.27	2.82	−1.38	6.24	+2.56	2.21	−0.82	1.82	−1.06	2 61	−0.34	3.40	−0.05	40.04	−2.21
Lycippus	3.86	−0.13	3.81	+0.62	4.38	+0 65	3.64	−0.19	6.09	+2.13	3.51	−1.17	4.44	−0.41	5.67	+1.49	2.56	−0.71	2.73	−0.42	3.11	+0.37	3.32	−0.06	47.12	+2.17
McKeesport	2.37	......	3.21	..	2.43		2.40	......	3.64	......	3.17	......	1.47	.....	4.57	.....	2.36	......	1.81	......	1 56	.....	2.60	......	31.59	......
Meadville	3.15	−0.17	2.45	−0.37	2.20	−1.10	2.03	−1.35	2.76	−1.56	3.85	−0.27	4.14	−0.03	2.73	−1.01	2.72	−1.02	1.36	−2.17	2.03	−1.56	3.62	+0.40	33.04	−10.21
Mosgrove	3.80	......	3.15	.....	2.79	......	2.04	......	5.16	......	5 43	......	4.99	......	7.46	......	2.98	......	1.88	......	1.96	......	3.31	......	44.95	......
Mt. Lebanon	2.40	......	3.17	......	3.47	......	2.24	.....	4.63	......	3.69	......	2.23	......	7 11	......	1.93	......	2.42	......	2.57	.....	2.77	......	38.63	......
Natrona	4.60	......	4.30	.. ..	3.22	......	2.26	.....	4.12	......	4.66	......	3.44	......	7.39	......	1.71	......	2.28	.....	2.75	......	3.57	......	44.30	......
New Castle	2.69	−0.33	2.65	+0.23	2.08	−0.83	1.96	−1.03	4.08	+0.70	4.30	−0.01	4.24	+0.12	6.23	+3.02	3.98	+0.84	2.36	−0.36	2.55	+0.15	2.78	+0.20	39.90	+2.70
Newell	3.83	+0.96	4.02	+1.75	3.38	+0.27	1.84	−1.14	4.47	+1.71	3.37	−0 68	2.57	−1.20	9.96	+6.90	2.57	−0.08	1.89	−0.65	2.17	−0.11	3.00	+0.38	43.07	+8.11
Parkers Landing	4.11	+0.55	3.11	+0.03	1.95	−1.58	1.66	−1.83	3.68	−0.10	3.65	−0.54	4 31	+0.12	3.91	−0.03	1.63	−1.75	0.50	−1.38	1.18	−1.87	2.90	−0.40	32.59	−9.78
Pennline	2.97	+0.39	2.80	+0.73	2.12	−0.78	1 34	−1.99	3.01	−0.54	4.07	+0.35	4.57	+0.87	4.02	+0.43	3.52	−0.92	1.80	−1.32	2.34	−1.06	3.41	+0.66	35.97	−3.15
Pittsburgh	2.41	−0.64	3.00	+0.38	3.04	+0.01	1.91	−1.01	4.07	+0.86	3.35	−0.46	2.38	−1.67	4.92	+1.69	1.96	−0.62	2.03	−0.49	2.10	−0.19	3.27	+0.41	34.44	−1.73
Ridgway	2.47	−0.49	2.53	+0.11	2.95	−0.15	1.63	−1.30	3.34	−0.62	3.79	−0.60	6.14	+2.18	2 01	−1.26	2.84	−0.35	2.18	−0 88	2.29	−0.55	2.49	−0.11	34.66	−4.02
Saltsburg	3.34	−0.33	3.06	−0.03	2.36	−0 79	1.53	−1.78	5.20	+1.63	4.01	−0.21	4.30	+0.26	6.89	+3 17	3.69	+0.20	2.13	−0.98	3.31	+0.92	3 29	+0.05	43.11	+2.11
Sharon	2.55	+0.09	2.77	+1.03	1.61	−1.06	1.15	−1.92	2.71	−0.46	3.00	−0.46	4.94	+1.41	8.38	+4.95	1.79	−1.05	1.74	−1.14	2.23	−0.24	3.10	+0.78	35.97	+1.93
Smethport	1.92	−1.14	2.91	+0.62	1.28	−2 35	1.40	−1.42	2.65	−1.68	*4.49	+0.35	9.18	+4.72	2 60	−1.36	3.40	−0.24	2.47	−0.56	1.70	−1.35	1.51	−1.52	35.51	−5.98
Somerset	4.60	+0.04	2.99	−0.95	3.36	−0.91	2.21	−2.50	4.85	−0.06	3.34	−1.86	5.78	+1.23	5.21	+0.61	3.03	−0.61	1.88	−1.22	2.48	−0.95	3.63	−0.27	43.36	−7.45
Springdale	3.55	+0.02	2.76	+0.03	2.87	−0 52	2.08	−1.26	4.37	+0.83	3.48	−0.99	3.04	−1.06	5.18	+1.25	2.34	−0.95	2.22	−0.91	2.65	+0.15	3.69	+0 52	38 23	+2.89
Uniontown	3.97	+0.25	3.22	+0.14	3.88	0.00	3.38	−0.36	5.25	+1.26	3.81	−0.96	5.77	+0.94	9.86	+5.24	2.40	−0.86	2.41	−0 91	2.55	−0.61	3.00	−0.47	49.50	+3.69
Unity Reservoir	3.34	−0.92	3.87	+0.49	3.76	+0.35	3.00	−0.90	4.22	+0.61	3.72	−0.70	3.98	−0.21	6.17	+2.52	2.34	−1.33	2.95	−0.44	3.13	+0.60	3.69	+0.02	44.17	+0.09
Vandergrift	3.35	+0.32	3.12	+0.25	2.62	−0.25	2.91	+0.11	3.91	+0.62	3.86	−0.76	3.09	−1.23	7.35	+3.29	2.34	−0.74	2.22	−0.92	2.65	−0.11	2.31	−0.63	39.73	−0.05
Warren	2.96	+0.05	2.70	+0.16	1.92	−1.21	1.66	−1.89	2.15	−2.08	5.22	+0.89	7.44	+2.92	1.79	−2.12	3.98	+0.26	2.40	−1.05	2.52	−0.99	3.52	+0.41	38.26	−4.65
Waynesburg	3.42	......	2.50	.....	3.31	......	2.90	......	4.95	.....	3.21	......	3.55	.....	6.26	....	2.60	......	2.43	.....	1.82	.....	3.50	......	40.45	......
Westford	2.80	+0.15	5.98	+4.01	2.30	−0.28	1.64	−1.26	3.32	+0.13	3.32	−0.42	2.77	−0.99	4.03	+1.15	3.43	−0.52	2.04	−0.96	2.58	−0.97	4.18	+1.17	38.39	+1.21
West Newton	3.03	−0.28	3.41	+0.44	3.25	−0.23	1.99	−1.29	5.02	+1.41	2.94	−1.14	2.91	−1.21	3.59	−0.18	3.36	+0.63	2 60	−0.12	2.84	+0.37	3.08	−0.13	38.02	−1.73
POTOMAC BASIN																										
Chambersburg	3.21	+0.48	2.09	−0.81	2.85	−0.14	2.37	−0.72	2.73	−0.92	2.51	−1.60	3.65	+0.09	2.38	−1.58	4.17	+1.25	3.76	+0.56	2.92	+0.22	2.87	+0.24	35.51	−2.83
Gettysburg	3.43	+0.31	1.89	−0.92	2.63	−0.51	2.58	−1.08	2.42	−1.47	2.89	−1.02	3.63	−0.15	1.71	−2.21	3.65	+0.21	3.33	+0.12	2.90	+0.20	1.75	−1.46	32.81	−7.98
Hyndman	3.93	+0.80	1.42	−1.26	2.33	−0.66	2.22	−1.55	3.93	+1.08	3.54	−1.25	4.07	+1.07	4.58	+0.80	4.24	+1.27	2.01	−1.21	2.21	+0.27	2.48	−0.08	36.96	−0.72
LAKE BASIN																										
Erie	2.02	−0.75	2.60	+0.02	2.21	−0.41	1.17	−1.56	2.20	−1.20	2.68	−0.66	7.54	+4.53	2.02	−1.25	3.14	−0.25	1.75	−1.94	1.57	−1.73	2.62	−0.21	31.52	−5.41

* Monthly amount interpolated; annual amount partly interpolated.

** After July 1st observations made at Pittsburgh airport.

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown	Apr. 17	Oct. 8	Kane (near)	May 24	Sept. 11
Altoona	do. 17	Sept. 30	Lancaster	Apr. 26	Oct. 5
Beaver Dam	May. 22	Oct. 5	Lawrenceville	May 25	Sept. 30
Bedford	Apr. 26	Sept. 30	Lebanon	Apr. 17	Oct. 5
Bellefonte	May 24	do. 30	Meadville	May 24	do. 2
Brookville	do. 26	do. 11	Muncy Valley	do. 25	Sept. 30
Carlisle	Apr. 26	Oct. 5	New Castle	do. 24	do. 30
Catawissa	do. 26	Sept. 30	Newell	Apr. 23	Oct. 5
Chambersburg	do. 16	Oct. 5	Philadelphia	do. 16	Nov. 19
Chambersville	May 22	Sept. 30	Pittsburgh	do. 16	Oct. 7
Claysville	do. 24	do. 30	Quakertown	May 24	do. 3
Clearfield	do. 25	do. 30	Reading	Apr. 16	do. 8
Coatesville	Apr. 17	Oct. 5	Retreat	May. 24	do. 5
Corry	May 25	Sept. 11	Ridgway	do. 25	Sept. 30
Emporium	do. 25	do. 30	Scranton	Apr. 16	Oct. 5
Ephrata	Apr. 17	Oct. 5	Selinsgrove	do. 25	do. 5
Erie	do. 16	do. 8	Sharon	May 22	do. 5
Franklin	May 24	Sept. 30	Somerset	do. 26	Sept. 24
George School	Apr. 17	Oct. 5	State College	Apr. 17	do. 30
Gettysburg	do. 16	do. 5	Stroudsburg	do. 26	do. 27
Gordon	May 24	Sept. 30	Towanda	May 24	do. 30
Gouldsboro	do. 25	Aug. 25	Uniontown	Apr. 22	do. 30
Greensburg	Apr. 18	Sept. 30	Vandergrift	May 22	do. 30
Greenville	May 24	do. 30	Warren	Apr. 26	Oct. 7
Grove City	do. 1	do. 30	Waynesburg	May 24	Sept. 30
Hamburg	Apr. 26	Oct. 5	Wellsboro	do. 25	do. 23
Harrisburg	do. 16	do. 8	West Chester	Apr. 17	Nov. 19
Hawley	May 25	Sept. 24	Williamsport	do. 26	Oct. 5
Huntingdon	do. 25	do. 30	Williamstown	do. 17	do. 7
Johnstown	Apr. 17	Oct. 5	York	do. 16	do. 5

MONTHLY STATE DATA FOR 1935

Month	Temperature					Precipitation				
	Mean	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Greatest	Least	Greatest in 24 hrs.	Average snow
January	27.5	33.6	17.9	72	-23	3.08	5.08	1.00	1.74	13.5
February	28.9	35.6	19.2	66	−26	2.67	5.98	1.16	2.25	14.4
March	42.8	49.4	32.1	83	−6	2.62	4.49	1.22	1.42	2.9
April	47.1	51.6	38.2	91	12	2.56	4.68	1.13	2.20	2.9
May	56.0	63.0	47.4	92	21	3.00	6.09	0.76	2.10	0.0
June	67.4	74.2	58.8	96	33	4.22	7.27	2.19	3.20	0.0
July	75.0	80.8	66.2	104	42	5.63	13.50	1.47	9.00	0.0
August	71.3	76.7	61.5	98	31	3.91	9.96	0.87	4.12	0.0
September	62.2	68.0	51.7	95	24	3.51	9.41	1.34	4.32	0.0
October	53.0	59.0	43.4	86	16	2.77	6.73	0.50	4.25	T.
November	44.4	51.0	34.5	85	5	3.84	7.44	1.18	4.07	2.5
December	26.3	33.0	17.8	60	−19	2.62	4.89	1.08	1.20	13.5
Year	50.2	80.8	17.8	104	−26	40.43	13.50	0.50	9.00	49.7

Monthly and Annual Mean Temperatures for the Year 1935, with Departures from the Normal

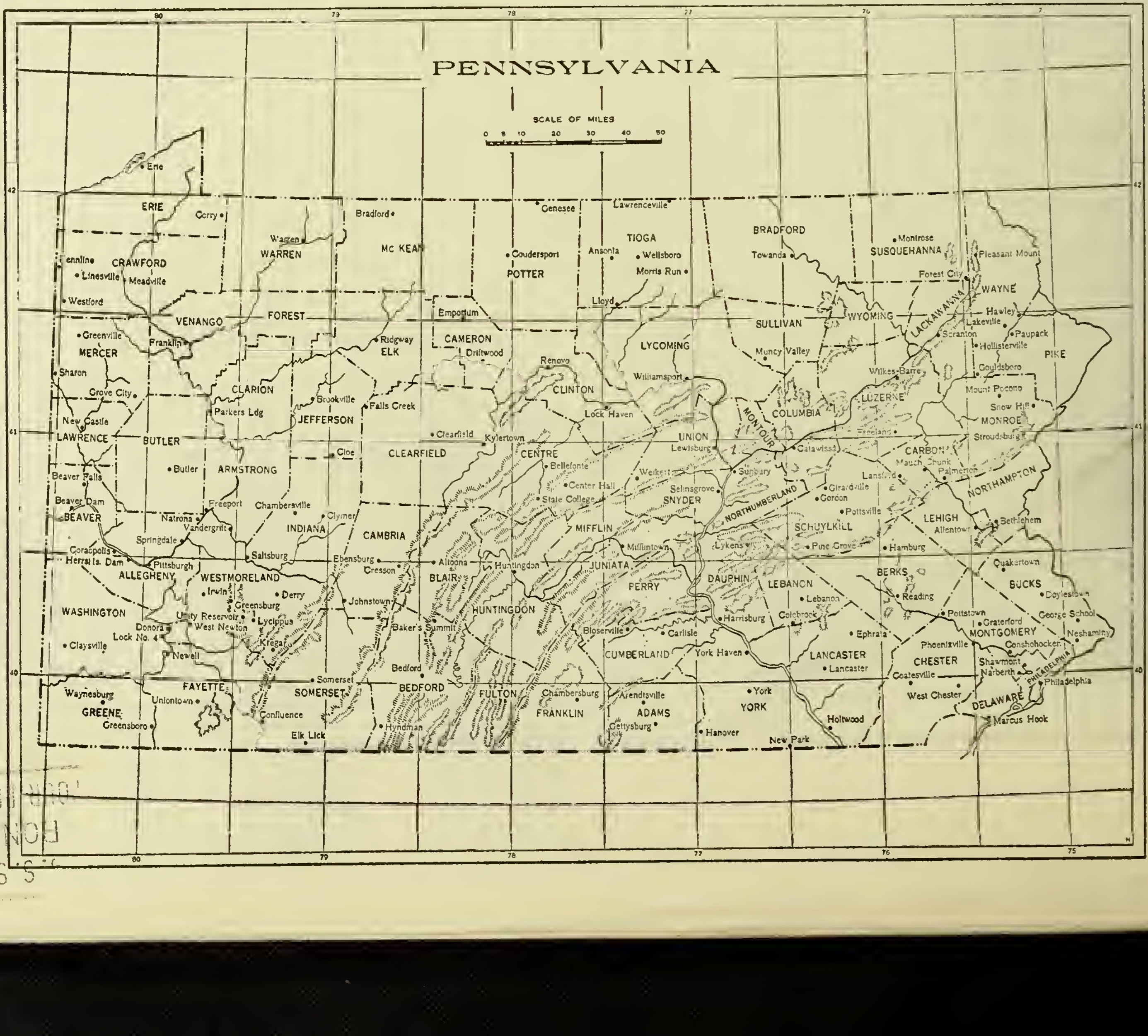
Stations.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic Drainage.																										
Allentown	25.3	−4.2	27.6	−2.9	40.4	+2.1	48.6	+0.1	57.5	−2.2	69.4	0.0	75.8	+2.1	71.6	+0.2	61.4	−4.2	55.0	+2.0	46.8	+4.4	28.2	−4.0	50.6	−0.6
Altoona	.....	.....	28.2	+1.0	42.0	+4.2	46.1	−1.9	54.3	−4.5	66.0	−0.3	72.8	+2.0	68.8	−0.2	60.8	−2.3	52.0	−0.1	42.4	+2.0	24.0	−5.7	.....	.....
Ardmore	28.4	−2.4	31.3	−1.9	44.2	+1.9	49.6	−1.1	58.8	−1.6	69.4	−0.7	76.7	+2.8	73.8	+2.5	64.6	−2.7	55.8	+0.6	48.5	+4.3	29.4	−4.6	52.5	−0.3
Arendtsville	26.4	−4.2	28.4	−4.1	41.8	+2.3	47.4	−1.9	57.4	−2.3	68.2	−2.1	75.8	+1.8	72.0	0.0	61.8	−4.6	52.2	−2.4	42.0	−0.7	.....	.....	.....	.....
Bedford	28.8	.....	30.8	.....	45.7	.....	47.8	.....	56.8	.....	68.2	.....	75.4	.....	71.6	.....	62.2	.....	52.0	.....	45.0	.....	26.8	.....	50.9	.....
Bellefonte	24.2	−3.5	26.2	−1.1	38.7	−1.4	44.6	−5.9	54.1	−7.0	65.3	−3.4	73.8	+0.6	69.4	−1.4	59.7	−5.2	50.2	−2.8	.....	.....	.....	.....	.....	.....
Bethlehem	28.2	−1.8	30.8	−0.3	44.5	+3.9	50.0	−1.5	58.8	−3.4	70.2	0.0	76.8	+2.2	73.8	+1.0	63.9	−2.8	56.6	+0.9	48.4	+4.2	28.9	−4.4	52.5	−0.2
Carlisle	27.8	−0.3	29.2	−0.8	46.0	+7.6	50.4	−1.7	59.3	−2.1	71.6	+0.6	79.2	+4.4	76.6	+4.0	63.9	−1.3	56.0	+3.2	47.9	+6.8	29.4	−2.1	53.1	+1.5
Catawissa	26.2	−1.5	29.6	0.0	42.4	+4.0	48.6	−1.8	.....	.....	69.4	+1.2	.....	.....	^{a}72.3	+2.0	63.1	−0.9	54.0	+0.6	46.0	+3.6	26.8	−4.7	.....	.....
Center Hall	24.6	−1.2	25.0	−2.3	37.6	+1.0	43.4	−4.8	51.7	−7.1	60.6	−5.4	70.6	−0.6	^{c}66.4	−2.3	^{b}62.8	+0.6	53.5	+1.6	44.4	+4.2	25.5	−4.2	47.2	−1.7
Chambersburg	28.8	−0.1	31.4	0.0	46.1	+6.6	49.7	−0.4	59.0	−1.7	70.4	+1.0	78.1	+3.8	73.6	+1.8	64.2	−1.9	55.3	+2.4	47.0	+5.1	29.0	−4.0	52.7	+1.0
Clearfield	26.0	−0.8	28.2	−0.3	41.5	+3.6	46.8	−1.1	53.4	−5.4	65.6	−1.3	72.6	+1.2	70.7	+0.8	60.4	−3.5	51.5	−1.1	42.2	+1.4	25.5	−4.1	48.7	−0.9
Coatesville	28.2	−1.7	30.2	−0.2	43.8	+3.8	49.4	−1.2	58.8	−2.4	70.0	0.0	77.3	+2.7	73.4	+0.9	63.4	−2.8	54.5	+0.4	46.9	+4.1	28.1	−4.6	52.0	−0.1
Colebrook	25.6	−1.4	27.8	−2.5	41.6	+1.5	47.2	−1.9	55.6	−3.4	66.2	−1.9	73.5	+1.1	70.4	+0.1	60.6	−3.6	52.1	−0.6	44.5	+2.9	25.8	−5.8	49.2	−1.3
Emporium	25.2	−0.3	26.5	+0.9	39.6	+4.2	45.0	−1.7	52.8	−5.0	65.0	−0.8	72.8	+3.2	68.3	+0.9	59.9	−1.5	49.0	−1.0	42.1	+2.9	25.3	−3.8	47.6	−0.2
Ephrata	28.8	−0.8	30.8	+1.1	44.8	+4.8	50.2	+0.2	59.0	−2.0	71.0	+2.5	78.7	+4.6	74.6	+3.0	64.6	−1.2	55.0	+0.8	48.0	+5.1	28.7	−3.5	52.8	+1.1
Freeland	21.8	−2.1	24.7	0.0	36.7	+3.8	43.2	−1.1	53.0	−3.2	64.8	+0.2	71.2	+2.6	^{b}67.9	+1.7	.....	.....	^{a}50.6	+3.6	40.4	+3.4	21.8	−5.3	.....	.....
George School	28.8	−1.8	30.2	−1.0	44.0	+3.3	49.8	−0.4	58.7	−1.8	69.9	+1.3	76.4	+2.7	73.6	+2.2	64.5	−1.5	55.8	+0.8	49.1	+5.9	29.3	−3.7	52.5	+0.5
Gettysburg	29.2	−0.2	32.0	+0.9	47.0	+6.9	50.5	−0.2	59.5	−1.8	70.4	+0.5	78.0	+3.8	74.6	+2.7	64.6	−1.0	56.2	+3.2	47.6	+5.6	29.6	−2.6	53.3	+1.5
Gordon	25.7	−0.6	28.0	+1.0	40.8	+3.9	46.2	−1.5	55.0	−2.8	66.0	+0.4	73.5	+3.4	69.6	+1.8	60.7	−1.6	51.1	+0.4	43.8	+4.2	25.8	−3.2	48.8	+0.4
Gouldsboro	17.9	−6.2	19.2	−5.6	32.1	+1.8	38.2	−3.2	47.4	−5.4	58.8	−2.4	66.2	+1.1	61.5	−1.5	51.7	−6.0	43.4	−2.4	36.0	−0.2	17.8	−8.3	40.8	−3.2
Hamburg	.....	.....	^{d}30.5	+1.3	43.2	+4.8	48.5	−1.2	57.8	−3.1	69.4	+0.4	76.4	+3.1	72.2	+1.0	64.4	−0.9	55.6	+2.2	47.3	+5.4	28.6	−3.1	.....	.....
Hanover	29.9	−2.2	32.4	−0.5	47.6	+5.1	50.7	−1.9	59.7	−3.1	71.5	+0.6	78.0	+2.6	75.6	+2.5	65.2	−2.4	57.1	+1.7	48.3	+3.7	29.6	−4.6	53.8	+0.1
Harrisburg	28.2	−0.8	30.4	+0.2	44.4	+5.5	49.8	−1.1	59.3	−2.5	70.1	−0.2	77.4	+2.6	73.8	+1.2	63.8	−2.0	55.3	+0.5	47.3	+4.5	29.1	−3.6	52 4	+0.3
Hawley	21.8	−2.8	24.3	−2.1	36.6	+1.1	43.1	−2.5	52.0	−4.8	64.5	−1.8	71.5	+1.1	67.6	−0.2	57.2	−4.5	49.0	−0.6	41.2	+1.7	22.6	−6.2	46.0	−1.8
Holtwood	29.7	−0.4	30.7	−2.4	43.6	+1.6	49.8	−1.8	60.6	−1.2	73.4	+1.8	80.2	+4.4	75.7	+2.2	66.0	−3.0	56.9	+0.7	48.8	+4.0	30.2	−4.0	53.8	+0.2
Huntingdon	27.8	−0.7	30.2	+1.0	^{b}42.8	+3.9	47.7	−1.9	56.6	−3.6	^{a}66.5	−1.8	75.2	+3.0	70.5	+0.1	62.3	−2.6	^{b}51.4	−1.3	44.9	+3.2	^{a}27.3	−4.3	50.3	−0.4
Hyndman	29.8	−0.3	31.3	−0.2	46.6	+6.2	49.2	−1.5	58.2	−2.6	68.7	+1.3	75.8	+3.3	72.9	+2.0	63.0	−2.4	54.0	+0.8	46.2	+3.9	27.4	−5.0	51.9	+0.4
Kylertown	24.6	.....	25.8	.....	39.7	.....	43.8	.....	52.6	.....	64.0	.....	70.9	.....	66.7	.....	58.0	.....	49.2	.....	39.1	.....	22.3	.....	46.4	.....
Lancaster	27.9	−1.8	29.2	−1.8	44.1	+4.4	48.8	−0.3	58.4	−2.3	70.0	0.0	77.0	+3.3	73.0	+1.0	62.7	−2.8	51.8	−2.0	46.7	+3.3	27.6	−5.8	51.4	−0.4
Lawrenceville	24.9	+0.3	25.8	+1.3	37.7	+2.9	44.5	−1.4	53.3	−3.6	66.7	+1.1	74.2	+4.1	69.0	+1.1	59.6	−1.9	51.0	+0.5	41.3	+2.3	23.0	−5.7	47.6	+0.1
Lebanon	26.0	−2.8	28.6	−1.0	42.9	+3.5	49.2	−1.2	58.1	−2.7	70.0	+0.4	77.2	+3.4	72.9	+1.1	63.2	−2.4	54.4	+0.7	46.7	+4.2	27.4	−4.6	51.4	−0.1
Lock Haven	27.9	+0.5	29.5	+1.5	^{a}42.6	+4.0	49.4	−0.9	57.7	−3.9	68.6	−0.9	76.8	+3.5	72.6	+1.5	63.8	−1.0	52.8	−0.7	44.8	+2.9	27.8	−3.2	51.2	+0.3
Marcus Hook	^{c}32.6	.....	^{b}35.6	.....	^{a}48.8	.....	.....	.....	63.0	.....	^{a}74.2	.....	80.8	.....	76.7	.....	68.0	.....	^{a}59.0	.....	51.0	.....	33.0	.....	.....	.....
Mauch Chunk	25.8	−1.5	26.5	−1.3	38.4	+1.0	45.5	−3.1	53.5	−6.2	65.3	−2.5	72.8	+0.6	69.9	+0.1	61.1	−3.1	52.4	0.0	44.9	+3.9	26.1	−4.5	48.5	−1.4
Mifflin	28.4	+0.5	31.8	+3.0	45.0	+5.8	50.3	+0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mount Pocono	21.6	−1.2	23.8	+2.5	35.6	+3.4	41.3	−1.2	50.1	−3.8	62.4	+0.7	67.8	+2.1	65.2	+1.4	57.1	−1.3	49.2	+0.8	34.5	−1.8	18.4	−7.4	43.9	−0.5
Muncy Valley	^{b}23.2	−1.4	^{a}24.2	−2.2	^{b}36.2	+0.5	43.5	−4.1	52.1	−4.8	63.6	−1.6	71.9	+2.3	^{a}67.6	0.0	58.1	−3.4	48.9	−1.4	^{a}41.8	+2.3	22.0	−6.0	46.1	−1.6
Neshaminy Falls	27.2	−0.8	28.0	−1.8	42.4	+3.0	48.4	−0.9	57.8	−1.6	69.3	+0.7	76.2	+2.9	72.8	+1.8	62.9	−2.5	53.0	−0.9	47.4	+5.2	27.6	−4.1	51.1	+0.1
Palmerton	24.8	.....	28.2	.....	40.2	.....	47.3	.....	56.0	.....	67.8	.....	75.0	.....	70.8	.....	60.6	.....	51.8	.....	45.4	.....	26.5	.....	49.5	.....
Philadelphia	31.0	−1.6	33.0	−0.9	46.2	+5.4	51.6	−0.5	60.6	−2.3	71.5	+0.1	78.2	+2.0	75.3	+0.5	66.0	−2.0	57.8	0.0	50.0	+4.3	31.5	−4.8	54.4	0.0
Phila-Navy Yard	30.2	−1.5	32.6	−1.1	45.6	+3.3	51.4	0.0	59.8	−2 1	71.9	+0.1	78.9	+3.2	75.4	+1.2	65.9	−2 3	58.0	+0.9	49.6	+3.9	30.4	−4.8	54.1	0.0
Phila-Point Breeze	31.0	−3.5	32.2	−3.5	45.6	+2.8	51.4	−0.5	60.5	−3.2	71.6	−1.2	78.6	+1.5	75.3	+0.4	66.0	−4.0	57.6	+0.2	49.4	+2.1	31.3	−4.7	54.2	−1.1
Phoenixville	28.5	−1.4	30.6	−1.6	46.0	+5.2	50.8	−0.8	59.9	−1.2	71.6	+0.6	79.0	+4.2	75.0	+2.1	65.6	−0.8	57.3	+2.9	49.2	+6.1	29.6	−3.5	53.6	+1.0
Quakertown	27.0	+1.1	28.0	−0.8	42.2	+4.9	47.6	−0.9	55.9	−3.5	^{l}68.0	−0.3	75.0	+2.5	70.5	+0.3	60.6	−3.4	52.2	0.0	46.2	+5.0	27.1	−4.1	50.0	0.0
Reading	28.4	−1.0	31.2	+2.4	44.6	+4.6	50.4	+0.1	59.4	−3.1	69.9	+0.1	76.7	+1.2	72.8	+0.4	63.8	−2.5	56.4	+1.7	48.0	+5.5	29.7	−2.5	52.6	+0.6
Retreat	24.9	.....	27.1	.....	40.8	.....	46.6	.....	54.4	.....	66.7	.....	73.2	.....	69.2	.....	60.1	.....	51.0	.....	44.3	.....	24.7	.....	48.6	.....
Scranton	24.8	−1.8	27.7	+0.4	39.5	+3.8	46.0	−2.1	55.0	−4.4	67.6	−0.2	74.8	+3.1	70.8	+1.0	60.2	−2.7	52.6	+0.8	43.7	+3.2	25.3	−5.4	49.0	−0.4
Selinsgrove	26.6	−1.8	29.3	+1.2	44.0	+5.5	48.4	−1.2	57.8	−2.7	67.9	−1.0	75.9	+2.7	71.8	+0.6	62.2	−2.6	53.4	+0.6	45.0	+3.3	28.2	−3.3	50.9	+0.1
Shawmont	29.6	−0.8	31.6	−2.2	45.6	+5.3	50.9	−1.3	60.1	−2.5	72.0	0.0	78.6	+2.7	75.0	+1.8	65.3	−2.8	55.8	−0.3	49.5	+4.7	30.0	−5.1	53.7	0.0
Shippensburg	28.2	.....	30.7	.....	45.6	.....	49.4	.....	59.0	.....	.....	.....	76.4	.....	72.4	.....	62.8	.....	54.5	.....	46.7	.....	28.3	.....	.....	.....
State College	26.0	−0.3	28.5	+2.0	41.6	+5.5	46.4	−1.1	55.6	−3.0	66.5	+0.1	73.5	+3.0	69.2	+0.7	60.8	−1.8	52.4	+1.3	42.8	+3.0	25.4	−4.3	49.1	+0.5
Stroudsburg	24.0	−2.5	25.9	−1.3	38.8	+2.0	45.6	−2.8	56.2	−3.1	66.6	+0.2	74.0	+2.8	70.4	+1.4	60.2	−2.2	51.2	−1.0	46.4	+5.9	26.4	−3.3	48.8	−0.3
Towanda	24.8	−0.3	26.0	+1.2	37.6	+2.5	44.2	−2.2	53.0	−4 3	65.0	−0.5	73.4	+3.1	69.2	+1.0	59.2	−3.1	50.8	0.0	42.4	+2.8	23.8	−5.0	47.4	−0.4
Wellsboro	22.0	−1.8	24.4	−0.6	36.1	+3.1	42 1	−2.5	51.2	−5.1	63.2	−1.1	72.0	+3.3	66.7	+0.6	56.2	−3.5	48.4	−0.5	38.6	+1.1	21.0	−6.9	45.2	−1.1
West Chester	^{b}29.7	−0.5	31.7	+0.6	^{a}45.1	+6.2	^{l}49.4	−0.4	^{b}58.5	−2.1	69.5	0.0	75.8	+1.5	72.3	+0.4	63.6	−1.9	55.5	+1.0	48.6	+5.7	29.6	−3.5	52.4	+0.5
Williamsport	26.4	−0.9	28.2	+0.5	40.2	+2.6	46.9	−2.0	55.6	−4.8	67.0	−1.8	75.7	+2.5	71.6	+0.9	^{b}62.0	−2.4	51.9	−0.8	44.1	+3.0	26.4	−4.3	49.7	−0.6
Williamstown	26.9	−0.8	29.5	−1.2	^{c}42.6	+3.1	47.5	−2.5	57.0	−2.2	67.9	+0 4	^{c}74.2	+2.4	.....	.....	63.6	−0.8	55.4	+2.1	44.8	+3.0	26.8	−4.2	.....	.....
York	28.9	−0.7	31.6	+0.6	46.8	+6.2	50.0	−0.9	58.4	−2.7	69.7	−0.2	77.4	+3.2	74.1	+1.9	63.9	−2.3	54.6	+0.6	47.2	+4.2	28.6	−4.5	52.6	+0.4
Ohio Drainage.																										
Beaver Dam	32.0	+2.2	32.1	−0.7	46.4	+5.2	48.4	−1.5	56.4	−3.9	67.8	−1.3	76.4	+2.8	72.8	+0.9	64.2	−2.0	54.8	−0.4	46.2	+2.9	27.6	−5.4	52.1	−0.1
Brookville	22.8	−1.2	23.2	−2.1	37.8	+4.0	42.9	−2.2	50.6	−4.7	63.2	0.0	71 6	+3.9	67.6	+2.0	57.8	−2.3	47.0	−1.7	39.3	+1.8	22.4	−5.5	45.5	−0.7
Butler	28.7	−1.9	^{a}27.2	−1.6	42.6	+5.4	45.2	−3.0	.....	.....	.....	.....	.....	.....	70.2	+0.7	62.2	−2.5	51.0	−2.1	42.0	+1.0	.....	.....	.....	.....
Chambersville	27.5	−1.3	28.8	−0.7	43.9	+4.9	46.0	−3.7	54.8	−5.0	66.3	−1.3	74.3	+2.9	70.0	+0.1	61.6	−3.2	52.1	−0.4	43.2	+2.1	24.4	−6.4	49.4	−1.0
Clairton	28.8	.....	29.8	.....	45.3	.....	45.7	.....	55.8	.....	66.4	.....	74.3	.....	70.7	.....	62.5	.....	51.5	.....	43.0	.....	24.7	.....	49.9	.....
Claysville	31.6	+1.1	32.2	+0.8	48.0	+6.6	48.2	−2.6	57.5	−3.1	68.3	−0 5	76.3	+3.4	72.8	+1.5	64.1	−1.6	54.2	+0.2	44.6	+2.5	25.6	−6.8	52.0	+0.2
Corry	25.5	+1.3	24.8	−1.3	38.8	+6.0	42.3	−2.4	50.4	−3.8	63.6	−1.0	73.8	+6.1	69.4	+3.6	59.0	−1.3	50.4	+1.7	39.0	+0.3	21.2	−7.1	46.5	+0.2
Derry	32.2	+2.2	32.2	+2.6	47.1	+6.9	48.4	−1.1	57.1	−3.5	67.9	−0.6	75.0	+2.4	71.6	+1.0	63.2	−2.2	54.4	+0.3	45.2	+3.3	26.3	−5.6	51.7	+0.5
Donora	33.6	.....	34.0	.....	48.5	.....	50.6	.....	58.5	.....	71.2	.....	77.6	.....	74.9	.....	66.4	.....	56.2	.....	45.9	.....	29.8	.....	53.9	.....
Ebensburg	27.0	+3.2	^{a}27.0	−1.0	42.0	+5.5	44.4	−0.6	53.8	−1.7	64.1	−0.2	^{b}72.3	+5.2	68.7	+3.1	60.7	0.0	.....	.....	40.8	+2.7	23.4	−4.7	.....	.....
Elk Lick	.....	.....	^{a}28.0	0.0	41.2	+3.9	.....	.....	.....	.....	62.8	−0.8	69.2	+2.0	66.0	+0.2	58.5	−1.6	51.9	+2.5	42.0	+4.0	23.6	−5.6	.....	.....
Franklin	26.1	+0.1	25.2	−0.6	40.2	+4.2	45.6	−0.5	54.2	−3.1	67.2	+1.4	76.2	+5.9	70.8	+2.7	62.5	−0.1	51.6	+0.3	41.0	+1.4	25.1	−4.2	48.8	+0.6
Greensburg	31.0	+0.7	31.5	−0.1	46.0	+5.7	48.0	−2.5	56.8	−3.1	66.4	−1.6	74.4	+2.2	70.4	−0.1	62.2	−3.0	53.2	−0.8	44.6	+1.9	26.7	−5.8	50.9	−0.6
Greenville	27.6	+0 6	27.2	+0.4	43.8	+7.1	46.6	0.0	54.2	−3.4	67.0	+0.5	76.1	+5.3	71.9	+3.3	61.7	−1.2	50.0	−0.9	40.1	+0.6	24.2	−6.0	49.2	+0.5
Grove City	27.2	+0.5	27.7	0.0	43.8	+6.2	46.2	−1.4	54.6	−2.9	66.0	+0.5	74.2	+4.2	69.9	+1.8	62.0	−1.0	52.6	+0.7	42.2	+1.8	23.8	−6.0	49.2	+0.4
Irwin	31.6	+1.6	31.4	+1.4	46.2	+6.0	45.6	−3.9	54.8	−5.2	65.8	−2.6	74.0	+2.1	72.6	+2.3	64.2	−0.1	54.3	+0.4	44.2	+2.2	26.1	−6.2	50.9	−0.2
Johnstown	30.1	+0.3	31.1	+0.9	45.9	+6.5	48.3	−1.5	57.4	−3.6	68.5	−0.7	75.8	+2.8	72.4	+1.3	64.5	−1.1	54.8	+1.1	44.4	+2.6	26.6	−5.8	51.6	+0.2
Kane (near)	23.0	.....	23.4	.....	37.4	.....	43.0	.....	49.4	.....	60.9	.....	69.8	.....	65.4	.....	58.0	.....	49.4	.....	39.0	.....	22.4	.....	45.1	.....
Lycippus	31.6	+1.8	31.6	+2.2	46.6	+6.7	47.4	−2.3	55.8	−4.7	65.8	−2.4	73.6	+1.2	69.0	−1.8	62.5	−3.4	53.5	−0.8	44.2	+1.9	25.2	−7.1	50.6	−0.7
Meadville	^{a}28.2	+3.6	26.5	+2.7	42.6	+7.7	45.8	+0.5	54.2	−2.1	69.4	+4.5	76.2	+7.2	71.4	+4.5	61.8	+0.1	52.8	+2.3	42.4	+3.6	25.3	−3.5	49.7	+2.6
Mt. Lebanon	28.8		30.4	.....	45.6	.....	47.4	.....	56.4	.....	67.6	.....	75.8	.....	71.8	.....	63.2	.....	53.6	.....	42.8	.....	25.2	.....	50.7	.....
New Castle	27.8	+0.2	27.8	−0.6	42.2	+5.1	46.2	−2.5	54.0	−5.5	67.6	−1.2	75.8	+3.4	72.4	+2 1	63.0	−1.2	52.9	+0.6	43.0	+3.0	25.2	−5.6	49.8	−0.2
Newell	29.6	−2.5	30.0	−2.1	41.9	−1.1	46.4	−5.0	55.9	−5.5	66.8	−2.5	74.6	+1.3	72.4	+0.9	62.8	−4.4	52.3	−3.2	45.2	+1.6	27.6	−7.3	50.5	−2.4
Pittsburgh**	32.1	+1.4	33.2	+0.9	47.6	+8.0	50.0	−1.2	58.8	−3.6	70.1	−0.6	76.0	+1.4	72.0	−0.9	63.4	−3.0	53.8	−1.9	43.0	−0.2	24.8	−9.4	52.1	−0.7
Ridgway	24.2	−0.4	24.4	−2.0	38.8	+4.0	43.4	−2.6	51.1	−4.6	63.6	−0 4	69.5	+1.6	66.4	−0.9	58.8	−1.4	49.0	−0.4	39.4	+0.7	23.3	−4.7	46.0	−0.9
Sharon	25.5	−1.3	26.2	−2 0	42 2	+4.6	46.1	−1.9	54.0	−4.2	66.8	−0.7	77.4	+5.6	71.4	+1.6	62.2	−1.9	52.0	−0.7	42.0	+0.7	24.2	−6.4	49.2	−0.5
Somerset	27.0	+0.6	26.8	−0.2	42.0	+6 0	42.8	−3.6	52.6	−4.2	62.7	−2 7	69.6	+0.9	66.6	−0.6	58.1	−2.8	48.8	−0.6	40.1	+1.3	21.6	−7.2	46.6	−1.0
Uniontown	33.6	+1.3	34.2	+1.8	49.4	+7.9	49.6	−1.6	58.4	−3.4	68.5	−1.4	76.0	+2.9	73.0	+1.4	64.4	−0.2	55.5	+0.9	45.9	+2.3	27.6	−7.2	53.0	+0.4
Unity Reservoir	30.4	.....	31.4	.....	46.2	.....	47.7	.....	56.9	.....	67.4	...	74.8	.....	71.2	.....	62.4	.....	53.4	.....	48.5	.....	25.9	.....	51.4	.....
Vandergrift	30.2	0.0	31.5	−0.5	45.2	+4.4	48.0	−3.0	56.5	−4.3	^{c}68.2	−0 8	76.0	+3.0	71.7	+0.8	63.1	−2.3	52.9	−1.3	43.7	+1.0	26.2	−7.1	51.1	−0.8
Warren	26.0	+1.1	25.4	+0.9	39.3	+3.7	43.0	−1.8	51.4	−4 7	65.2	+0.4	73.5	+4.1	69.5	+2.1	60.6	−1.3	53.2	+2.6	42.9	+3.9	25.4	−2.6	48.0	+0.8
Waynesburg	32.3	.....	33.7	.....	48.6	.....	48.5	.....	58.2	.....	67.9	.....	75.8	.....	72.6	.....	63.9	.....	^{a}54.4	.....	45.0	.....	27.0	.....	52.3	.....
Lake Drainage.																										
Erie	27.1	+0.3	26.0	−0.9	39.7	+6.2	43.8	−1.3	51.9	−4.9	65.4	−0.8	75.6	+4.6	71.8	+2.2	62.4	−1.2	53.6	+0.2	42.6	+1.2	26.6	−5.3	48.9	+0.1

Letters of alphabet denote number of days missing. ** After July 1st observations made at Pittsburgh airport.

COOPERATIVE AND RAINFALL OBSERVERS

Stations	Observers
Allentown	John A. Frick.
Altoona	John J. Martin.
Ansonia	Paul H. Mulford.
Ardmore	H. L. Balderston.
Arendtsville	Dr. S. W. Frost.
Bakers Summit	M. Snyder.
Beaver Dam	F. H. McCullough.
Beaver Falls	W. Edward Eakin.
Bedford	Charles C. Lee.
Bethlehem	Lehigh University.
Bloserville	A. G. Mountz.
Bellefonte	U. S. Airway Radio Sta.
Brookville	Frank S. Fawcett.
Buffalo Mills	Nelle R. Brown.
Butler	The Butler Eagle.
Carlisle	Clarence E. Miller.
Catawissa	W. L. Gearhart.
Center Hall	Edward E. Bailey.
Chambersburg	Wm. B. Spear.
Chambersville	John E. Lewis.
Clairton	Carnegie Steel Co.
Claysville	J, L. Melvin.
Clearfield	E. W. Hess, C. E.
Coatesville	Howard L. Pyle.
Colebrook	William A. Rorer.
Confluence	Grant Pyle.
Conshohocken	Russell C. Erb.
Corry	Assd. Gas & Electric Co.
Derry	Ted R. Wineman.
Donora	Donora Zinc Works.
Doylestown	Geo. Hart.
Ebensburg	D. H. Jones.
Elk Lick	J. S. Stevanus.
Emporium	T. B. Lloyd.
Ephrata	Ira J. Keath.
Erie	U. S. Weather Bureau.
Forest City	L. L. Whipple.
Franklin	R. L. Walters.
Freeland	Andrew B. Evausha.
Galeton	Henry W. Lush.
George School	N. W. Swayne.
Gettysburg	Dr. Henry Stewart.
Girardville	Girard Water Co.
Gordon	Sallie M. Johnson.
Gouldsboro	Roland H. Marshall.
Graterford	C. K. Kulp.
Greensburg	Westmoreland Water Co.
Greensboro	George W. Paxton.
Greenville	C. P. Clarke.
Grove City	Prof. H. W. Harmon.
Hamburg	State Sanatorium.
Hanover	Thomas Y. Cooper.
Harrisburg	U. S. Weather Bureau.
Hawley	Mrs. Della M. Pennell.
Herrs Island Dam	U. S. Engineer.
Hollisterville	Penn. P. & L. Co.
Holtwood	H. W. Lowy, C. E.
Huntingdon	Prof. Paul R. Yoder.
Hyndman	Glenn R. Shaffer.
Irwin	W. F. Gallagher.
Johnstown	Robert Tross.
Kane (near].	U. S. Forest Service.
Kregar	I. A. Knupp.
Kylertown	U. S. Weather Bureau.
Lake Lynn	R. McGeuchie.
Lakeville	Penn. P. & L. Co.
Lancaster	Supt. Water Works.
Lansford	Lehigh Coal & Nav. Co.
Lawrenceville	C. P. Darling.
Lebanon	Lebanon Valley Gas Co.
Linesville	John Furman.
Lock Haven	Joseph A. Beaver.
Lock No. 2	R. C. McCullough.
Lock No. 4	U. S. Engineer.
Lock No. 5	U. S. Engineer.
Lycippus	Westmoreland Water Co.
Marcus Hook	Sun Oil Co.
Matamoras	John Bisland.
Mauch Chunk	R. K. Wintermute.
Meadville	Assd. Gas & Electric Co.
Morris Run	Morris Run Mining Co.
Mt. Lebanon	Roger H. Howell.
Mount Pocono	Paul C. Hoskinson.
Muncy Valley	H. O. Hacker.
Natrona	Bert B. Hildebrand.
Neshaminy Falls	Phila. Sub-Water Co.
New Castle	New Castle Water Co.
Newell.	General Chemical Co.
New Park	C. J. Allen.
Newport	Adam R. Boetill.
Palmerton	New Jersey Zinc Co.
Parkers Landing	Henry Turk.
Paupack	Penn. Power & Light Co.
Penn Line	Retta Crumb.
Philadelphia	U. S. Weather Bureau.
Philadelphia Navy Yard	Commandant, Navy Yard.
Phila- Point Breeze	Atlantic Refining Co.
Phoenixville	Philadel. Sub- Water Co.
Pine Grove	East Penn Electric Co.
Pittsburgh	U. S. Weather Bureau.
Pleasant Mount	C. R. Buller.
Pottstown	Daily Mercury.
Pottsville	Pottsville Water Co.
Quakertown	John E. Benner.
Reading	U. S. Weather Bureau.
Renovo	J. H. Baird.
Retreat	Theo. J. Sampson.
Ridgway	West Penn. Power Co.
Saltsburg	Thomas M. Duncan.
Scranton	U. S. Weather Bureau.
Selinsgrove	Dr. George E. Fisher.
Sharon	H. H. Gerber.
Shawmont	Winfield S. Guiles.
Shippensburg	Keith B. Allen.
Somerset	D. L. Grove.
Springdale	U. S. Engineer.
State College	C. A. Kern.
Stroudsburg	State Teachers College.
Sunbury	Earl E. Stahl.
Towanda	Mrs. M. Ordelia Parks.
Uniontown	Wm. W. Marsteller.
Unity Reservoir	Westmoreland Water Co.
Vandergrift	H. R. Belding.
Warren	Mrs. Anna Simpson
Waynesburg	Thomas S. Knox.
Weikert	David Libby.
Wellsboro	George W. Hill.
West Chester	Joseph W. Belt.
Westford	C. C. Collins.
Westgrove	Conard-Pyle Co.
West Newton	A. B. Adams.
Wilkes-Barre	Milton Wentz.
Williamsport	Veronica E. April.
Williamstown	Susquehanna Coal Co.
York	C. L. Bott.
York Haven	York Haven Water Co
Zionsville	J. H. Weinberger.

WEATHER BUREAU AND COOPERATIVE STATIONS, 1935



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

Vol. XLI. January, 1936. No. 1.

GENERAL SUMMARY.

Temperatures were mostly above the normal during the first alf of the month, yet, when considered as a whole it was the oldest January of the last sixteen years. This was due to the ntense cold that began about the 20th, and continued to the nd of the month, during which time there was little or no thawng in any part of the State. While the cold was intense in all ections, it appeared to concentrate upon the Pittsburgh region vith extreme severity, and for seven consecutive days the temeratures were 20 degrees below the normal, with a deficiency f 39 degrees on the 23d. The lowest temperature for the State vas 30 degrees below zero at Ebensburg on the 23d. This inense and persistent cold resulted in several deaths and in widepread suffering among the poor. The precipitation averaged bout 30 per cent above the January normal, due in part to eavy rains at the beginning of the month, and in part to heavy nows on the 19th and 20th. Precipitation on these latter dates vas mostly sleet in the southeastern portion of the State, and roze into what practically constituted a solid layer of ice of from our to six inches in thickness. This ice layer had a glazed surace that was smooth enough to permit of skating all over the ields. It sealed up nearly all of the available food supply of the vild birds and animals, and their preservation depended upon haritable feeding to a greater extent than was ever known beore. The heaviest snowfall occurred in the mountain regions, ver a belt extending from Monroe and Pike counties in the ortheast down to Bedford and Somerset counties in the southvest. On the Pocono Plateau the snow accumulated to an avrage depth of more than three feet. Beginning with the storm f the 19th and 20th, traffic was badly handicapped for the emainder of the month. The main highways were plowed hrough soon after the storm, but a coating of ice and snow renained on the surface of the roads and made travel slow and nore or less dangerous. Many secondary roads were closed for he entire period because snow was drifted to such a depth as to nake plowing impossible, and township and county funds were nsufficient to pay for shoveling. Many country schools were losed because it was impossible to furnish fuel to heat buildngs. It was the general impression that such strenuous conditions have not been experienced in Pennsylvania since January 918, during the World War.

TEMPERATURE.

The mean temperature for the State, as shown by the reports rom 89 stations, was 23.6°, or 4.7° below the January mean for he period 1888-1936. The highest monthly mean was 31.0°, at Marcus Hook, and the lowest 15.2° at Gouldsboro. The highest temperature recorded during the month was 59° at Greensburg on the 14th, while the lowest was —30° at Ebensburg on the 23d. The greatest daily range in temperature was 54° at Donora on the 23d.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations of 141 stations, was 4.21 inches, which is an excess of 0.99 inch compared with average for the period 1888-1936. The greatest monthly total was 7.74 inches at George School, and the least was 1.34 inches at Sharon. The greatest amount recorded in any 24 consecutive hours was 3.41 inches at West Chester on the 2-3d.

Snowfall for the State averaged 19.4 inches, which is 8.8 inches above the average for the period 1888-1936. The greatest amount was 37.5 inches at Gouldsboro. The greatest 24-hours snowfall was 22.0 inches at Catawissa on the 19th.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	23.2	61	−19	4.19	14.0	13	5	11	15
1889	29.4	68	−5	3.54	7.8	10	9	13	9
1890	37.5	77	−2	3.04	1.8	14	7	8	16
1891	30.5	64	−4	3.64	9.8	12	6	10	15
1892	26.2	66	−28	4.77	13.5	12	8	8	15
1893	19.0	57	−25	2.85	18.0	12	7	10	14
1894	32.8	65	−9	2.29	7.2	10	9	9	13
1895	24.2	58	−17	4.17	14.2	13	7	10	14
1896	27.6	60	−15	1.43	3.4	6	8	9	14
1897	25.6	74	−25	2.15	11.0	10	8	8	15
1898	30.7	67	−16	4.25	11.0	13	6	8	17
1899	26.6	66	−21	3.05	10.3	10	12	8	11
1900	29.8	63	−8	2.64	5.3	10	8	9	14
1901	29.1	59	−10	2.22	8.6	11	8	8	15
1902	25.6	58	−13	2.80	11.5	9	8	9	14
1903	26.9	68	−13	3.31	11.7	11	6	8	17
1904	20.0	66	−42	3.55	20.4	12	10	6	15
1905	23.8	69	−21	3.70	21.2	12	8	8	15
1906	35.0	85	−4	2.53	4.5	11	10	8	13
1907	30.0	75	−23	4.36	13.2	15	6	7	18
1908	28.4	59	−18	2.68	11.4	9	12	8	11
1909	31.2	72	−19	2.92	12.8	13	9	6	16
1910	27.2	56	−22	5.55	26.0	14	7	5	19
1911	31.6	70	−5	3.54	4.5	13	8	5	18
1912	18.6	57	−35	1.92	13.6	12	8	7	16
1913	36.5	65	3	4.95	4.5	16	9	6	16
1914	30.2	81	−27	3.37	11.7	11	7	7	17
1915	28.3	62	−26	5.56	14.7	13	10	6	15
1916	34.2	76	−12	2.42	1.8	12	9	8	14
1917	27.9	69	−18	3.60	4.2	13	11	8	12
1918	16.2	57	−29	3.51	25.2	12	10	8	13
1919	32.0	64	−15	2.53	6.2	8	14	8	9
1920	20.9	59	−23	2.47	10.0	10	9	8	14
1921	31.0	63	−13	2.58	4.4	10	12	7	12
1922	25.0	62	−19	2.26	16.0	8	14	7	10
1923	29.1	62	−17	4.26	17.6	14	6	6	19
1924	28.1	65	−13	4.34	3.6	8	11	8	12
1925	25.2	55	−29	3.53	29.4	10	11	7	13
1926	27.8	66	−19	2.80	10.5	11	9	9	13
1927	27.4	61	−24	2.90	5.7	13	9	6	16
1928	29.8	65	−23	2.08	6.8	9	12	8	11
1929	27.3	73	−20	3.37	7.6	12	9	9	13
1930	29.2	72	−24	2.25	8.4	12	8	8	15
1931	30.0	65	−12	1.46	4.4	7	12	9	10
1932	40.5	79	9	4.51	1.3	14	7	6	18
1933	37.0	71	−6	2.00	1.9	8	12	7	12
1934	32.2	67	−19	2.54	2.3	11	8	8	15
1935	27.5	72	−23	3.08	13.5	11	11	6	14
1936	23.6	59	−30	4.21	19.4	14	8	7	16
Period	28.3	85	−42	3.22	10.6	11	9	8	14

Climatological Data for January, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	24.5	−4.8	44	12†	−5	23†	30	6.48	+2.89	1.95	15.4	13	15	8	8	sw.	John A. Frick.
Altoona	Blair	1,615	49	21.8	−5.9	46	13	−15	23	32	3.83	+0.83	1.20	29.3	15	8	12	11	w.	John J. Martin.
Ardmore	Montgomery	350	16	27.7	−4.1	52	13	−6	23	28	7.61	+3.82	2.90	8.4	14	9	10	12	......	H. L. Balderston.
Arendtsville	Adams	700	14	21.5	−8.5	48	13	−10	23	28	4.64	+1.80	1.45	19.0	8	17	4	10	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	24.2	....	51	13	−17	26	43	4.20	....	1.75	31.0	12	10	2	19	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	26.2	−4.6	44	13	−5	23	41	6.07	+2.62	2.33	14.2	17	9	2	20	w.	Lehigh University.
Carlisle	Cumberland	467	70	24.6	−3.9	47	13	−12	26	46	5.81	+2.63	1.80	29.0	13	13	3	15	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	24.6	−3.7	42	13†	−12	26	39	4 75	+1.76	2.12	35.3	16	14	14	3	......	W. L. Gearhart.
Center Hall	Center	1,272	40	22.1	−4.4	45	15	−12	23	32	3.30	+0.81	1.52	28.0	13	13	4	14	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	25.3	−4.4	47	13	−10	26	36	5.56	+2.42	1.95	22.0	15	7	11	13	nw.	William B. Spear.
Clearfield	Clearfield	1,120	29	23.4	−3.9	42	18	−20	26	38	4.54	+1.03	0.90	31.0	16	3	6	22	w.	E. W. Hess.
Coatesville	Chester	380	49	25.8	−4.6	47	13	−5	23	34	6.88	+2.92	2.07	10.2	12	9	2	20	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	22.4	−5.7	42	13	−11	23	36	5.78	+2.37	1.60	17.7	17	13	6	12	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	21.8	−4.3	45	13	−17	26	32	3.09	−0.57	0.75	16.0	11	0	15	16	e.	T. B. Lloyd.
Ephrata	Lancaster	380	44	25.8	−4.5	47	13	−5	23	42	6.18	+3.11	2.44	15.7	16	7	11	13	n.	Ira J. Keath
Freeland	Luzerne	1,970	43	19.6	−4.6	37	10	−15	23	43	4.25	+1.01	1.00	24.4	14	15	4	12	w.	Andrew B. Evansha.
George School	Bucks	190	30	26.8	−4.6	52	3†	−5	23	43	7.74	+3.99	2.61	9.2	17	16	5	10	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	26.4	−3.5	47	13	−7	23	46	5.29	+1.96	1.75	17.0	16	9	8	14	w.	Dr Henry Stewart
Gordon	Schuylkill	840	32	22.2	−4.8	43	3	−18	26	41	4.82	+1.05	0.80	27.0	13	17	2	12	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	15.2	−7.7	36	15	−18	23	39	6.56	+3.20	2.00	37.5	13	14	4	13	w.	Ronald H. Marshall,
Hamburg	Berks	535	43	26.0	−2.9	46	12	−5	23	45	5.54	+2.02	2.17	16.0	13	11	6	14	w.	State Sanatorium.
Hanover	York	600	32	26.6	−6.2	48	13	−6	23	45	6.00	+2.85	1.95	14.0	16	11	6	14	w.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	25.6	−3.4	44	13	−6	23	38	5.58	+2.49	1.99	24.4	17	7	11	13	w.	U. S. Weather Bureau.
Hawley	Wayne	900	18	19.8	−5.7	40	3	−18	26	42	5.05	+2.41	1.65	27.9	15	13	6	12	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	27.6	−4.0	52	13	−4	23	35	5.16	+2.00	2.15	15.0	15	14	5	12	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	23.5	−5.5	48	13	−19	26	36	4.70	+1.50	1.60	27.0	10	6	13	12	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	24.4	−6.8	54	13	−14	25	44	3.28	+0.22	1.09	17.8	10	7	7	17	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	19.6	....	42	13	−15	23	41	2.67	....	0.88	22.4	22	1	6	24	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	23.9	−6.2	46	13	−7	21†	46	5.92	+2.73	1.82	13.7	13	11	11	9	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	21.5	−3.9	42	1	−14	25	40	1.42	−0.55	0.62	17.0	9	6	9	16	......	C. P. Darling.
Lebanon	Lebanon	469	52	23.6	−5.6	45	13	−7	23	36	5.61	+2.27	2.00	20.8	14	15	2	14	se.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	24.0	−4.1	43	13	−12	26	44	3.39	+0.25	0.92	25.5	11	2	16	13	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	10	31.0	−4.3	52	12	1	22	39	7.68	....	2.74	......	12	17	5	9	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	23.3	−4.6	45	7	−10	23†	45	6.07	+2.83	1.78	22.3	14	14	3	14	nw.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	16.8	−6.7	41	4	−14	23	24	4.18	+1.21	2.00	27.0	5	10	4	17	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	19.0	−6.3	40	3	−20	24	43	3.26	+0.12	1.02	17.0	11	13	3	15	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	26.0	−3.3	54	13	−6	23	40	7.24	+3.88	2.77	9.5	13	16	2	13	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	23.5	−6.0	42	3†	−10	26	34	6.60	+4.23	2.12	16.8	13	8	10	13	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	29.9	−2.7	52	13	−2	23	26	6.44	+3.14	2.14	4.9	16	9	10	12	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	26.6	−4.2	51	13	−4	23	42	6.95	+3.32	2.63	8.2	15	12	8	11	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	24.3	−2.3	45	3	−6	23	42	5.98	+2.16	2.73	11.8	15	9	10	12	w.	John E. Benner.
Reading	Berks	266	66	27.1	−2.3	48	13	−5	23	32	5.29	+1.72	2.24	13.8	15	7	9	15	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	22.4	....	40	4†	−9	23	44	4.88	....	1.50	27.0	11	11	7	13	ne.	Theodore J. Sampson.
Scranton	Lackawanna	805	42	24.0	−2 6	46	3	−8	23	28	4.47	+1.44	1.86	26.5	16	5	8	18	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	23.2	−5.7	42	13	−12	26	45	5.09	+2.07	1.50	25.7	16	7	8	16	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	28.3	−3.6	51	13	−1	23	40	7.04	+3.74	2.45	9.0	14	9	11	11	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	3	24.8	....	46	13	−8	23	46	5.53	....	1.85	26.7	15	8	4	19	sw.	State Teachers College
State College	Center	1,217	52	22.0	−4.8	45	13	−14	23	29	4.51	+1.43	1.50	28.7	13	5	8	18	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	17.0	−9.9	40	1†	−12	29	33	1.76	−1.62	0.70	19.7	6	10	4	17	......	State Normal School.
Towanda	Bradford	754	42	22.1	−3.3	41	3†	−11	26	34	2.64	+0.50	0.96	18.3	18	9	6	16	w.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	19.0	−5.2	40	13†	−19	26	39	2.05	−0.22	0.73	23.1	12	16	6	9	nw.	George W. Hill.
West Chester	Chester	455	87	27.4	−2.8	48	13	−5	23†	42	7.44	+3.62	3.41	8.5	12	14	6	11	nw.	Joseph W. Belt.
Williamsport	Lycoming	521	50	23.2	−4.5	41	13	−10	23	36	3.60	+0.64	0.73	23.0	12	13	4	14	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	21	23.6	−5.1	41	3†	−12	23	44	4.00	+0.94	1.46	24.0	13	12	7	12	nw.	Susquehanna Collieries Co.
York	York	400	48	25.0	−5.3	50	13	−10	26	46	5.71	+2.64	1.83	19.0	16	12	8	11	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	44	25.5	−5.4	51	13	−14	23	37	2.37	−0.64	0.63	17.8	13	4	0	27	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	46	18.8	−6.0	46	13	−24	25†	50	3.27	+0.04	0.46	......	19	0	7	24	......	Frank S. Fawcett.
Butler	Butler	1,077	23	21.0	−8.6	45	13	−19	25	40	2.14	−1.09	0.75	19.0	10	4	13	14	sw.	William C. Faust.
Chambersville	Indiana	1,047	35	25.0	−4.3	50	13	−19	26	39	3.00	−0.76	0.60	17.6	15	2	4	25	w.	John E. Lewis.
Clairton	Allegheny	1,020	4	23.4	....	54	13†	−15	23	51	3.40	....	0.83	20.3	16	3	7	21	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	24.2	−6.9	55	14	−17	23	38	2.93	−0.32	1.00	22.5	18	10	7	14	nw.	J. L. Melvin.
Corry	Erie	1,430	23	21.6	−3.8	45	13	−13	23	26	2.08	−1.41	0.61	6.4	16	2	6	23	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	25.5	−5.0	55	13†	−14	23†	38	3.80	−0.08	0.76	25.3	20	7	5	19	w.	Ted R. Wineman.
Donora	Washington	762	10	26.1	−8.4	55	14	−13	23	54	3.20	+0.77	0.65	18.2	15	1	13	17	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	21.4	−4.6	45	14	−30	23	48	3.44	−0.15	1.10	28.0	12	9	10	12	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	18.8	−8.0	50	19	−22	23	38	4.10	−0.04	1.70	36.0	8	4	13	14	w.	J. S. Stevanus.
Franklin	Venango	957	62	22.2	−4.3	48	12	−13	26	33	1.93	−1.49	0.38	10.5	9	0	6	25	n.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	24.9	−6.3	59	14	−14	23	39	4 38	+0.95	1.17	28.4	23	5	5	21	sw.	Westmoreland Water Co.
Greenville	Mercer	950	40	22.1	−5.5	44	15	−11	23†	29	1.71	−1.92	0.55	7.1	13	5	1	25	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	22.2	−5.3	44	7	−15	23	30	1.99	−1.22	0.80	8.2	11	1	8	22	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	24.6	−5.9	53	14	−15	23	32	3.43	+0.49	0.59	29.0	20	8	8	15	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	23.0	−7.2	43	13	−12	23	33	1.87	+0.55	1.21	31.6	22	5	7	19	sw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	4	18.2	....	42	13	−17	23	37	2.24	....	0.62	27.2	16	2	3	26	se.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	44	23.8	−6.6	56	13	−16	23	33	4.04	−0.09	1.30	22.6	18	0	0	31	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	22.6	−2.9	43	14†	−14	23	29	1.89	−1.45	0.50	14.8	17	2	5	24	w.	Ass'd Gas & Electric Co.
New Castle	Lawrence	808	56	23.0	−5.0	48	13	−13	26	46	2.37	−0.83	0.64	13.1	17	1	16	14	nw.	New Castle Water Co
Newell	Fayette	800	16	26.9[a]	−5.8	53[a]	13†	−14[a]	23†	51[a]	4.30	+1.33	1.00	19.7	11	3	4	24	......	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	22.6	−8.1	51	13	−16	23	49	3.50	+0.45	0.94	20.9	16	1	7	23	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	20.2	−5.1	45	12	−18	26	33	2.36	−0.79	0.54	10.2	18	0	11	20	sw.	West Penn. Power Co.
Sharon‡‡	Mercer	940	23	22.2	−5.7	46	14	−12	23	37	1.34	−1.38	0.28	5.0	10	2	4	25	s	Harry H. Gerber.
Somerset	Somerset	2,190	69	19.8	−6.9	48	14†	−28	25	49	4.27	−0.56	1.03	25.8	23	2	8	21	sw.	D. L. Grove.
Uniontown	Fayette	1,100	48	26.2	−6.5	57	14†	−14	23	38	3.73	+0.03	1.24	20.0	21	7	8	16	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	24.8	−6.2	52	13	−12	23	44	3.07	+0.16	......	......	11	13	8	10	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	47	23.2	−2.5	40	3†	−8	23†	30	1.58	−1.39	0.26	10.5	19	3	3	25	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	25.6	....	54	13†	−17	25	37	3.04	....	1.40	19.5	10	2	10	19	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	23.6	−3.2	50	13	−7	23	36	1.58	−1.19	0.39	11.7	19	2	3	26	sw.	U. S. Weather Bureau.
For the State	......	......	49	23.6	−4.7	59	14	−30	23	54	4.21	+0.99	3.41	19.4	14	8	7	16	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used.

† On other dates also.

* Incomplete.

Reference letters a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-3-20-36-1050.

Daily Precipitation for January, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
llentown‖	Lehigh			1.95	.23	.09		.26		.04	.78		.05		.06		.60	.06	T.	1.02	1.31			.03				T.				T.	6.4
ltoona	Juniata		.10	.65	.10	.40	.40			.30		.10				T.	.01	.20	.05	1.20	.02		.10	.10							.10		3.83
nsonia‖‖	W. Br. Susq			.31	T.	.23		.10		.09	.34		.04	T.	.14		T.	.03	.08	.01	.33		.01	.12					.06				1.89
rdmore	Lower Del		1.10	1.80			.34			1.65		T.	T.	.02		.51	.02	.02	.20	1.79			T.	.02			.02	.08				.04	7.61
rendtsville	Lower Susq			1.45				.53		.88			.08					.35		*	1.31			.03				.01					4.64
aker's Summit	Juniata		.40	.11	.16	.24	.35	.01		.80	.03	.08	.03			.21		.20	.13	1.91				.10								.06	4.82
edford	Juniata		.19	.10	T.	.33	.27		T.	.96	T	.05	T.	T		.21	.05	.15	.09	1.75			.05	T.							T.		4.20
ellefonte	W. Br. Susq		.08	.34	.11	.03	.20		T.	.28	T.	T.	T.			T.	T.	.18	.19	1.63	.01	T.	.03						T.		T.	T.	3.03
ethlehem	Lehigh		.13	2.20		.10	.18	.09		.74	.02	T.	.06	.06		.38	.25	.04	.24	1.32	.21			.04				T.				.01	6.07
loserville‡‡	Lower Susq			.80			.30		1.05			.15				.22				1.05			.03										3.60
uffalo Mills‖‖	Juniata			.60		.31		.41		.43	.46						.20	.19		.93	.31			.07									3.91
arlisle	Lower Susq		.25	.98	T.		.36		T.	1.07		.08	.12	.03		.34	T	.08	.29	1.80	.20		T.	.18				T.				.03	5.81
atawissa‡	N. Br. Susq		.31	.52	.12	.06	.29			.42		.03	.03	.01		.20	.06	.05	.15	2.12			.32									.03	4.75
enter Hall	Susquehanna		.10	.02	.01	.20	.42		.05	.30						.01		.36		1.52	.12		T.	.14				.05					3.30
hambersburg	Potomac		.70	.57	T.	.29	.37	.03		.88		.17	.03			.24	.05	.15	.05	1.72	.23		.08					T.				T.	5.56
learfield	W. Br. Susq		.11	.70	.10	.05	.42	.13	T.	.36	.20	T.	.08	.03		.10		.40	.90	.56	T.	T.	.20	.20	T.	T.		T.		T.	T.	T.	4.54
oatesville	Lower Del		.86	2.07		.11	.34			1.18				.02		.37		.20	.18	1.34				.20				.01				T.	6.88
olebrook	Lower Susq		.41	1.30		.06	*	.37		.96		*	.16	T		.63	T.	.09	.12	*	1.60		*	.05				.01				.02	5.78
onshohocken	Schuylkill																																
oylestown	Lower Del		.37	1.98			.29	T.		1.02		T.	T	.01		.24	.17	.07	.08	1.56				T.							T.		5.73
mporium	W. Br. Susq		.13	.52	.19	.12	.30			.35	T.	.05		T.		T.		.05	.48	.75			.15					T.	T.			T.	3.09
phrata	Lower Susq		.64	1.80		.11	.32	.03		.98		.04	.03	.02		.33	.03	.07	.10	1.57	T.			.09				.02				T.	6.18
orest City	N. Br. Susq			.87	.09			.19		.18	.94				.24		.80			.08	.51							T.	T.	.12			4.02
reeland‖‖	Lehigh			1.00		.09		.14	.08	.02	.69		.13		'05		T.		.14	.81	.96			.10				.02	T.			.02	4.25
aleton	W. Br. Susq		.40			.14	.25			.65			.08					.12	.12	.55			.24										2.55
eorge School	Lower Del		.15	2.46		.04	.26	.05		1.83			.02	.07		.51	.29	.06	.13	1.68	.08			.05				.05				.01	7.74
ettysburg	Potomac		.66	.90		.04	.42	.02		.97		.06	.01			.17	.04	.09	.12	1.72	.03			.02				.02					5.29
irardville‖‖	Lower Susq		1.01	.04	.30		.31		.08	.68	.01	.09		.17		.39		.22	.67	1.22			.40					T.			.05		5.64
ordon	Lower Susq		.80	.65		.24		.34		.78		.04		.09		.23		.20		.30	.65			.40					.10				4.82
ouldsboro‖	Lehigh			.96		.05		.30			1.00		.05		.20		.85	.05	.10	.60	2.00			.30								.10	6.56
raterford	Schuylkill		.43	1.17			.16	.04		1.58	.12	.01	T.	.04		.07	.42		.19	.81	.14			.15									5.33
amburg	Schuylkill		.44	1.73		.02	.21			1.02		.05	.07	.06		.39			.27	1.03	.13			.12				T.				T.	5.54
anover	Lower Susq		.47	1.53	T.	.08	.32	.02		.90	T.	.02	.05			.03	.29	.10	.13	1.95	.08			.01				.02				T.	6.00
arrisburg***	Lower Susq		.75	.56	.07	.01	.30	T.	.12	.80	T.	.22	.01	T.		.20	.10	T.	.26	1.99			.10				.06	.02			.01	T.	5.58
awley‖‖	Upper Del			.70	.02	.07		.21		.09	.72		.12		.26		.44	.03	T.	.65	1.65			.06				T.	.01			.02	5.05
ollisterville	Upper Del			.39	.05	.13		.22	T.	.13	.07		.03		.16		.05	.03		.64	1.54			.14				.04	.03			.10	3.75
oltwood‖	Lower Susq			2.15		.12		.28	.10	.10	.65		T.			.30	.03	.13	.02	.24	.95			.03				.03				.03	5.16
untingdon	Juniata		.28	.40	.20	.42	.34			.60		.10				T.	T.	.55		1.60	.21		T.									T.	4.70
yndman	Potomac		.40	.31	.11	.64	.38					06	.09			.16	.04			1.09	T.												3.28
ylertown***	W. B. Susq	T.	.06	.40	.07	.02	.14	T.	.07	.40	.02	.05	.02	T.		.06	.09	.07	.03	.88	T.	T.	.15		.02		.01	T.	.02	.01	.04	.04	2.67
akeville‖‖	Upper Del			.69		.06		.23	T.	.16	.55	T.	.10		.15	.01	.50		T	.53	1.45			.06							.02		4.51
ancaster	Lower Susq		.45	1.82	.09		.29			.88		.05		T.		.40	.06		.10	1.70			.02					.03			.03		5.92
ansford‖‖	Lehigh			1.50	T.			.40			.78		*	.14	.03		.48	.15	T.	*	2.15			.10								T.	5.73
awrenceville	N. Br. Susq		T.			.10	.05			.62			.05	.05		T.		T.	.10	.30	.10			.05					T		T.	T.	1.42
ebanon	Lower Susq		1.65	T		.11	.26		.17	.74		.16		.01		.49	.07	.01	.84	1.00			.09				.01				T.		5.61
ehighton‖‖	Lehigh			3.20		.11		.46			1.09						.66			1.30				.20									7.02
ock Haven	W. Br. Susq		.23	.40		.29	.30			.45			.04					.12	.40	.92	.09			.15							T.		3.39
arcus Hook	Lower Del			2.74		*	*	1.30		2.00		T.		.03		.45		T	*	*	1.10				T.			.04				.02	7.68
atamoras‖‖	Upper Del			1.45				.31			.83						.84			.84	.88												5.15
auch Chunk	Lehigh		.43	1.26			.46	.02		.85		.09	.02	.12		.50		.11	.31	1.78	.03			.09				T				T.	6.07
orris Run	N. Br. Susq		.04	.42	T.	.26	.10			.40			.10	.16			.02		.30	.66	.15		.04	.11				T.					2.76
ount Pocono	Upper Del			1.16													60	T.			2.00	.20										.22	4.18
uncy Valley	W. Br. Susq		.09	.82		.10	.29	.04		.44		T.	T.	T.		.19		T.	.33	.69	.23			.04								T.	3.26
eshaminy ‖‖	Lower Del		.99	1.78		.04	.38		T.	1.55	T		T.	.04		.70	.02	.07	.17	1.44			.03				T	.03				T.	7.24
ew Park	Lower Susq		1.00	1.44	.12		.25			.91						.41	.10		.22	1.32			.06									.08	5.91
ewport‖‖	Juniata			.85	.15	.23		.23		.30	.50	.10					.40	.04	.12	.77	1.04			.05								T.	4.78
almerton‡	Lehigh		.91	.28	.01	.08	.35		T.	.87		.06		.11		.49		.08	.20	2.12			.04				T.					T.	6.60
aupack‖‖	Upper Del			.70		.06		.20		.10	.85		.10		.08		.45		.03	.75	1.20											.02	4.54
hiladelphia***	Lower Del		.87	1.27	.02	.08	.32		T.	1.54		T.	T	.04		.53	.03	.02	.15	1.40			.02	T.			.02	.09				.04	6.44
hila. Navy Yard ‖‖	...do			2.10	.32	.10	T.	.27	T.	.10	1.50	T			.05		.54	.01		.45	1.35							.10				.02	6.91
hila-P'nt Breeze.‡	Lower Del		*	2.68	*	.10			.01	1.80				.04		.39	.03		.16	1.43			.02	T			*	.11				.03	6.80
hoenixville	Schuylkill		.13	2 50		.07	.23	T.		1.22			T	.08		.30	.24	.07	.17	1.74	.10			.04				.04				.02	6.95
ine Grove	Lower Susq		.85	.55	.12	.05	.30		.10	.70		.10	.05	.05		.46	.05		.10	1.80			.40				.03						5.71
leasant Mt.‖‖	Upper Del			.99			.43			1.71		.15			.74		.05			1.51				.37				.18					6.13
ottstown	Schuylkill		.90	1.30	.05	.03	.20	T.	T.	.55	T.	.08	T	.01		.41	.18	.01	.20	1.04			.21				.05	T.			T.	T.	5.22
ottsville	Schuylkill	T.	.30	1.20		.18	.32	.08		.79	T.	20	.09	08		.27	.15	.08	.26	1.25	.25			.11				T.					5.61
uakertown	Lower Del		.22	2.51		.04	.22			.86		T.	.04	.06		.23	.11	.07	.21	1.19	.13			.07				.02					5.98
eading***	Schuylkill		.93	1.31	.06	.03	.21	T.	T.	.53	T.	.09	T.	.02		.40	.17	.01	.19	1.08			.22				.04	T.			T.	T.	5.29
enovo.‖‖	W. Br. Susq			.50		.29		.17		.18	.52		T.				.14	.10	.20	.15	.60			.10					.03		T.		2.98
etreat	N. Br. Susq		.01	1.42	.08		.50			.08		T		.03		.93	.01	.02	.30	1.50													4.88
cranton***	...do		.13	.68	T.	.10	.15	T.	.03	.43	T	.08	.03	.11		.57	T.	.02	.10	1.86	T.		.13			T.	T.	T.	T.	T.	.03	.02	4.47
elinsgrove	Lower Susq		.20	.90	.02	.20	.42		T.	.70	.05	.01	.07	.06		.17	.12	.17	.30	1.50				.20									5.09
hawmont	Schuylkill		.27	2.45		.10	.24	.07		1.73				.06		.31	.14	.05	.18	1.40	.03			T.				.01				T	7.04
hippensburg	Lower Susq		.30	.37		.38	.31	01		.90		.11	.10			.30	.03	.22	.12	1.85	.43			.10								T.	5.53
tate College	W. Br. Susq		.24	.43	.15	.28	.36	T.	.08	.67	T.	T	.03	T		.16	T.	.21	.22	1.50	T	T.	.18	T.				T.	T.		T.	T.	4.51
troudsburg‖‖	Upper Del	.03	.01										.30							.70	.68											.04	1.76
unbury‖‖	Lower Susq			.78	T.	.21		.47		.16	.63		.27		.02		.26	.16	.05	.98	1.33			.37									5.69
usquehanna‖‖	N. Br. Susq			.56	T.	T		.22		.06	.41		.08		.08		.54		.13	.11	1.22	T.		.06					.11	.03	T.	.04	3.65
owanda	...do		.01	.36	.04	.09	.06	.01		.57	T.	.02	.11	T.		.08	.01	.03	.08	.96	.10		07	.01					T	T.	T.	.03	2.64
eikert	Lower Susq		.15	.40	.70		.40		.10	.90		.18				.10		.12		.98		.12						.12					4.27
ellsboro	W. Br. Susq		.10	.20	02	T.	.09			.73	T	T.	.06	.05		T		.05	.15	.45	.03		.12	T.					T.		T.	T.	2.05
est Chester	Lower Del		*	3.41			.90			1.22				.05		.50	.22	.08	.31	.30				.40								.05	7.44
estgrove‖‖	...do			2.40	.34			.43		.10	1.08		.01		T.		.51	.12		.90	.55			T.				.03				T.	6.47
ilkes-Barre‖‖	N. Br. Susq			.65	.07	.05		.34		.02	.30		.06				.64	.05	.10	.36	.98			.06							T	.03	3.71
illiamsport‖‖	W. Br. Susq			.69		.31		.25		.20	.46		.11		T.		.18	.12	.12	.34	.73			.09							T.		3.60
illiamstown	Susquehanna		.11	.76			.21	.02	T.	.70		T.	.07	T		.08	.13	.06	.30	1.34	.12			.10								T	4.00
ork	Lower Susq		.71	1.03		.24	.29	T.		.88		.05	.02	T.		.25	.15	.05	.10	1.83	.02			.05				.02				.02	5.71
ork Haven‖‖	Lower Susq			1.60		.05		.31		.01	.85		.11				.40	.08	.04	.38	.56			.01				T.				.05	4.45
ionsville..(near).	Schuylkill		.24	2.86			.36	.22		1.55	.02		.03	.03		.50	.08	.01	.05	1.04	.54			T.				T				.05	7.53
renton, N. J***	Lower Del		.73	1.30	T.	.06	.19	T	T.	1.28	T.	T.	.02	.07		.63	T.	.06	.14	1.38			.07				.03	.04				T.	6.00

Continued on page 4.

Daily Precipitation for January, 1936—Continued from page 3

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	T		.26	T.	.01		.32		.20	.32		.13	.06				.25	.07	.03	.60			.09				T.	T.	T.	T.	.03	2.37
Beaver Falls‖‖	Beaver	T.	T.	.29	T.	.02		.39		.12	.37		.11	.05	T			.20	.02	.07	.70	T.		.20				T.	.01	T.	T.	.04	2.59
Bradford	Allegheny			.36		.06	.03	.05		.52	.06		.04	.10				T.	.25	.18	.03		.13	T.				T.	.04	T.	.03	.04	1.92
Brookville	do	.03		.50	.03	.13		.36		.40	.46		.11	.03	T.			.18	.19	.14	.38			.12	.02			.02	.07	.02		.08	3.27
Butler	Ohio			.15			.15			.75	.02						.15		.05	.50				.25					.02			.10	2.14
Chambersville	Allegheny		.06	.50			.45	.08	T.	.60	T.	T.	.20	.04		.02		.16	.35	.33	.05		.10	T.						T.	.05	.01	3.00
Clairton‡	Monongahela	T.	.32	.15	.03	T.	.37		.05	.74	.05	.12	T.	.05		.04	.34	T.	.18	.83	T.		.05				T.		T.	.05	.03		3 40
Claysville	Ohio		.07	.33	T.	.03	.35	.02		.43	.09	.04	.01	.08		.02	.17	.08	.08	.92	.08		.11							T.	T.	.02	2.93
Confluence‖‖	Youghiogheny			.72		.35		.20		.68	.54		.28				.20	.30	.08	.70	.68							.03			.10	.04	4.90
Corry	Allegheny		.02	.21				.21	.11	.61	.03	.01	.01	.08				.14	.21	.07	.04		.30	.01				.02					2.08
Derry	Conemaugh		.15	.45	.15	.09	.45	.07		.29	.19	.12	.11	.12		.30	.15	T	.09	.76	.12		.06				T		T.	.05	.05	.03	3.80
Donora‖‖	Monongahela		.08	.45		.01	.27	.03		.43	.06		.21	.02				.31	.01	.60	.65			.05				T.		T.		.02	3.20
Ebensburg	Conemaugh		.11	.30	.05	.15	.36				.06	.30						.31		1.10				.35				T.	.32			.03	3.44
Elk Lick	Youghiogheny				.20	.20				.50		.20						.50		1.70				.30			.50						4.10
Franklin‖‖	Allegheny			.27				.23		.38	.28							.07	.20		.26			.20					T.			.04	1.93
Greensboro‖‖	Monongahela	T.	.01	.54	.02	.16	.22			.15	.32	T.	.14	T.	.07		.08	.22	.03	.70	.89			.05				T.		T.	T.	.01	3.61
Greensburg	Youghiogheny		.15	.56	.07	.07	.36	.03	T.	.43	.10	.22	.06	.10		.21	.24	.10	.04	1.17	.06		.14				T.	.01	.08	.05	.06	.07	4.38
Greenville	Beaver		T.	.32		.02	.15	T.		.55		T.	T.	T.				.01	.13	.15	.07		.25					T.	.02	.01	.02	.01	1.71
Grove City	do	T.	T.	.36	T.	T.	.10		T	.80	T	T.	T.	T.				.05	.10	.20	.05		.23	.01				T.	.04	T.	.05		1.99
Herrs Isl. Dam‖‖	Ohio	T.	T.	.41	.01	.04	T.	.33		.37	.26		.10	.05	.02		.01	.31	.18	.29	.58	T.	T.	.11			T.	T.	.02	.03	.01	.05	3.18
Irwin	Monongahela		.08	.58	.10	.08	.45	.03		.59	.13	.12	.14	.11		.07	.17	.20		.31	.10		.04	.05			T.	T.	T.	T.	.04	.04	3.43
Johnstown	Conemaugh		.30	.24	.24	.10	.41	.03	.07	.77	.13	.15	.07	T.		.15	.41		.19	1.21	.04		.13	.02			T.	.02	.06	T.	.04	.09	4.87
Kane (near) ‡‡	Allegheny		T.	T	T	.02	.01	T.		.62	*		.18	.02	T	T.		.14	T.	.30	.27	*	.29	.04	T.				.24	*	.09	.02	2.24
Kregar‖‖	Youghiogheny		.63	T.	.26		.18		.17	.35	T.	.28		.11		.09	.32		.54	.61	.02		.15				.04	.06	.04	.09	.08	.03	4.05
Lake Lynn‖‖	Monongahela			.68		.20		.18		.16	.30		.15		.12		.11	.15	.02	.60	.47	.01		.03				.01			.02	.04	3.25
Linesville‖‖	Beaver		.03	.07	.09		.07		.42			.06	.04				.07			.05		.08	.18					.16		.04			1.36
Lock No 2‖‖	Ohio	T.		.42	T.	.05		.26		.25	.32		.15	.06	.02		.07	.22	.14	.20	.34			.09							T.	.01	2.60
Lock No. 4‖‖	Monongahela		T.	.55		.07	.01	.30		.19	.35		.26	.01			.14	.38	.08	.31	.35			.04				T.	T.	T.	T.	.04	3.08
Lock No. 5‡‡‖‖	Allegheny	.01		.63	T.	.09		.43		.36	.40		.13	.05	.02		.02	.24	.26	.08	.52	T.		.21				T.	.02	T.	.04	.07	3.58
Lycippus	Conemaugh		.13	.50	T.	.13	.24	.05		.42	.10	.12		.16		.10	.06	.32	.06	1.30	.08		.11						.05		.11		4.04
McKeesport‖‖	Monongahela			.45		.01		.45		.39	.25		.15	T.				.41	.05	.05	.55			.03						T.		T.	2.79
Meadville	Allegheny		.01	.22			.18			.50	.02		.07	.01				.02	.17	.06	.05		.27	.05				.08	.12	T.	.03	.03	1.89
Mosgrove‖‖	do	.07		.54	.02	.12		.42		.29	.54		.03	T.	.03		.04	.14	.11	.08	.31	T.		.10					.02	T.	.04	.07	2.97
Mount Lebanon	Ohio	T.	.22	.16	.05	T.	.41	T	.05	.53	.05	.15	T.	.07		T.	.31		.26	.78	T.		.10				T.	T.	T.	T.	.05	T.	3.19
Natrona‖‖	Allegheny	.03		.58		.02	T.	.45		.35	.40	T.	.14	.02	.02		.02	.25	.26	.18	.57	.01		.17				.05	.04	.01	.03	.08	3.66
New Castle‖‖	Beaver	.01		.15	T.		.02	.31		.64	.14		.12	.03				.10	.08	.10	.31			.28					.01	.01	.02	.04	2.37
Newell	Monongahela		.20	1.00	T.	.10	.15	.05		.48				.35				.35		1.60											.01	.01	4.30
Parkers Landing‖‖	Allegheny	.02		.57	T.	.10	T	.30		.33	.48	T.	.16	.04	T.			.10	.15	.03	.35	T		.14	T.			T.	.05	T.	.02	.01	2.83
Pennline‖‖‡‡	Beaver	T.		.11		.10		.09		.28	.14		.04	.02	T.		T.	.04	.02	.30		.02	.07	.08			T.	T.	.03	.02	.02	.02	1.40
Pittsburgh***	Ohio	T.	.29	.15	.08	T.	.57	T.	.04	.46	.10	.13	T.	.04		.04	.39	T.	.11	.93	T.	T.	.06				T.	T	.04	T.	.07	T.	3.50
Punxsutawney‖‖	Allegheny																																
Ridgway	do	T.		.34	.02	.10	T.	.15		.26	.54	.02	.09	.05	T.		.03	.09	.20	.04	.15	T.	T	.16	T				.06		.04	.02	2.36
Saltsburg‖‖	Conemaugh			.47			.11	T.		.11	.22		.20	.11				.36	.24	.28	.34										.05		2.49
Sharon‖‖	Beaver			.10				.20		.25	.28			.05				.06	.13		.10			.15							.02		1.34
Smethport‖‖	Allegheny	T.	T.			T.	T.	.02	.05	T.	.05	.40		40					T.		.52				.02					T.	.02	.01	1.49
Somerset	Youghiogheny		.29	.32	.10	.14	.28	.08	.03	.77	.08	.13	.09	.03		.13	.13	.20	.12	1.03	.06		.09	.05			T.	.03			.05	.04	4.27
Springdale‖‖‡‡	Allegheny			.59		.05		.44		.29	.44		.14	.05			T.	.31	.17	.16	.57		.12							.02	.04	.11	3.50
Uniontown	Monongahela		.16	62	.11	.05	.16	.05	T.	.41	.08	.17	.04	.07		.09	.09	.14	.02	1.24	.08		.06				T	T.	.02		.03	.04	3.73
Unity Reservoir‡‡	Youghiogheny		.11	.57	.05	.08	.20	.04		.30	.13	.16	.14	.13		.13	.40	.07	.10	.93	.10		.10	.17			T.	T.	.04	.04	.05	.06	4.10
Vandergrift‡	Conemaugh		.28	.20			.60		.04	.40			.13	.05		T.	.29		*	1.02			.06						T.		T.	T	3.07
Warren	Allegheny		.05	.15		.03	.01	.02		.26			.06	.08				.04	.11	.15	.10	.10	.10	.05				.03	.15	.07		.02	1.58
Waynesburg	Monongahela			.31			.11	.06		.39	.04	.15		.08			.20			1.40			.30								T.		3.04
Westford‖‖	Beaver	.21	.17	.23	.20		.04	.03	.10	.35		.08						.15		.06	.04	.05	.09	.05	.04	.03	.04	.20	.14	.15	.17	.16	2.78
West Newton‖‖	Youghiogheny		T.	.68		.07	T.	.27		.10	.25		.38	.02			.07	.24	.05	.26	.45			.03				T	T.		T.	.04	2.91
Lake Drainage.																																	
Erie***	Lake Erie		.02	T.	.04	T.	.10	T.	.02	.16	T.	T.	.02	.02		T.	T		.19	.24	T.		.35	.06	.08	.01	.01	.13	.01	.01	.04	.07	1.58

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement. ‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.99	30.57	7	29.30	22	15.2	42	sw.	22	84	78	79	19
Harrisburg	30.03	30.55	8	29.22	19	7.9	30	w.	22	73	62	66	45
Philadelphia	30.03	30.58	8	29.05	19	12.5	38	sw.	13	71	59	63	55
Pittsburgh	30.02	30.51	7	29.31	22	11.9	40	w.	13	87	78	83	31
Reading	30.04	30.56	8	29.17	19	12.7	42	nw.	23	69	68	66	43
Scranton	30.00	30.55	3	29.29	22	6.7	24	se.	22	76	63	67	35

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.3	8.8	28	2.4	2	18
Phillipsburg	Delaware	4.7	5.9	16	3.9	14	22
Lehighton	Lehigh	3.7	4.4	31	3.1	1	9
Wilkes-Barre	Susquehanna	5.4	13.0	7	3.0	22	20
Williamsport	Susquehanna	3.3	4 8	24	2.2	1	20
Harrisburg	Susquehanna	†	8.4†	6	4.7†	26	17
Greensboro	Monongahela	15.0	28 7	4	11.2	2	30
West Newton	Youghiogheny	4.3	11.5	5	2.5	19	20
Lock No. 4	Monongahela	15.9	26.2	4	12.1	2	30
Pittsburgh	Ohio		20.8*	10	11.6*	1	25
Beaver Dam	Ohio		25.2	10	11.6	1	30

* —Pool stage. † —Frozen

Daily Temperatures for January, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	34	40	43	40	41	33	39	37	40	40	38	41	44	40	41	40	38	35	29	27	28	38	10	15	18	24	11	20	23	26	16	32.0
	Minimum	14	11	15	30	31	26	28	25	30	34	29	30	33	27	27	31	26	26	20	15	5	8	−5	−5	−1	−1	1	3	8	2	5	17.0
Altoona	Maximum	35	31	35	35	31	29	37	32	36	36	33	36	46	36	33	36	29	40	37	19	27	38	17	9	15	22	19	13	19	22	18	29.2
	Minimum	12	16	31	32	25	15	29	28	28	29	23	29	28	15	21	26	25	24	13	10	12	15	−15	−7	−5	−8	−7	0	9	0	−3	14.5
Bedford	Maximum	33	40	38	38	36	33	41	35	40	39	36	10	51	41	36	37	32	45	40	28	32	41	25	10	16	26	25	16	20	25	23	32.9
	Minimum	11	20	31	33	31	17	32	28	30	32	22	30	21	11	17	27	27	28	28	11	11	7	−11	−4	−12	−17	−6	3	10	9	0	15.5
Brookville	Maximum	26	34	37	37	38	30	33	35	35	38	32	38	46	43	45	36	31	35	41	20	21	28	35	10	10	11	16	6	15	15	10	28.6
	Minimum	1	4	12	30	26	12	21	27	29	27	24	27	29	18	20	23	13	19	13	7	4	5	−15	−14	−24	−21	−23	−10	5	0	−6	9.0
Butler	Maximum	34	35	35	37	37	35	32	32	38	36	38	40	45	41	39	30	30	38	37	18	29	29	25	7	10	15	15	12	17	18	17	29.1
	Minimum	9	9	15	32	25	19	29	29	32	27	26	28	18	27	26	15	15	27	7	7	9	24	−15	−11	19	−18	−8	2	9	11	−3	13.0
Carlisle	Maximum	37	32	41	40	42	35	43	36	37	41	38	38	47	42	40	42	37	35	34	30	34	41	38	16	15	22	17	22	28	28	20	33.8
	Minimum	8	8	31	32	32	25	29	23	31	33	25	32	27	22	25	31	25	27	15	12	−5	10	−8	−3	−5	−12	−1	5	10	−2	5	15.4
Catawissa	Maximum	37	39	41	39	41	36	38	36	39	35	36	39	42	42	34	40	35	38	35	29	28	40	31	12	20	25	20	22	24	28	19	32.9
	Minimum	7	10	34	34	32	22	30	22	34	32	30	29	34	22	27	24	18	25	22	8	6	8	−8	−2	0	−12	−2	4	8	−1	7	16.3
Chambersburg	Maximum	36	33	41	40	42	33	43	38	37	39	37	45	47	41	37	39	35	39	34	30	30	39	25	17	20	26	20	18	25	29	20	33.4
	Minimum	13	15	32	30	32	26	28	23	31	32	27	30	25	21	23	30	27	29	18	15	7	16	−7	−1	−7	−10	0	6	12	5	5	17.2
Chambersville	Maximum	33	38	40	38	40	35	38	34	39	39	38	37	50	46	43	39	31	48	37	17	25	37	21	7	14	20	18	14	18	22	17	31.4
	Minimum	7	18	31	31	27	17	30	27	30	27	24	30	28	17	32	25	22	26	13	9	7	17	−16	−10	−17	−19	9	0	7	5	−5	14.5
Claysville	Maximum	37	45	45	41	40	38	39	37	43	38	38	39	52	55	50	38	32	48	37	20	28	35	10	9	17	20	17	14	21	25	17	33.1
	Minimum	14	21	34	33	28	22	30	28	34	27	31	32	29	17	36	25	20	29	16	3	7	8	−17	−11	−14	−12	−9	0	7	10	−3	15.3
Clearfield	Maximum	38	33	37	38	38	32	34	36	37	36	34	37	43	41	39	37	34	42	35	30	37	35	16	24	18	18	8	20	20	32	20	31.6
	Minimum	7	30	30	30	26	18	24	28	26	28	27	28	28	23	30	25	28	22	18	18	22	12	−15	−5	−15	20	−8	0	10	−2	−3	15.2
Coatesville	Maximum	35	26	42	41	41	32	41	37	41	39	36	43	47	39	41	40	36	38	38	26	30	38	29	13	12	26	19	19	24	28	21	33.2
	Minimum	15	13	34	27	31	25	29	26	30	32	27	30	29	25	24	32	22	28	18	14	10	19	−5	0	0	3	4	5	9	8	8	18.5
Corry	Maximum	40	36	37	37	34	35	32	34	36	33	40	41	45	41	41	33	35	35	33	20	25	28	7	7	15	15	15	11	22	20	12	28.9
	Minimum	15	25	30	25	24	25	11	26	30	24	26	34	24	20	31	20	25	30	20	5	3	7	−13	−6	−11	−2	−11	0	3	6	−3	14.3
Emporium	Maximum	35	36	38	39	37	32	35	34	37	36	37	37	45	39	36	36	32	42	32	22	27	37	6	10	5	14	9	15	19	19	18	28.9
	Minimum	9	10	35	35	27	22	31	31	31	30	28	31	30	21	21	27	15	24	10	6	15	5	−11	−2	−15	−17	−6	4	12	−1	−1	14.7
Erie	Maximum	37	41	40	40	33	33	33	38	38	34	40	43	50	47	45	31	32	36	19	24	29	30	8	10	13	18	15	15	20	19	11	29.7
	Minimum	21	25	33	33	24	22	31	32	34	29	29	31	27	27	31	22	21	19	12	12	11	−6	−7	0	2	2	−5	8	12	8	3	17.5
Franklin	Maximum	40	39	38	40	32	35	34	37	39	32	39	48	45	45	44	33	35	44	22	25	32	39	10	15	19	20	14	18	25	26	12	31.5
	Minimum	9	12	17	32	25	17	22	29	30	28	27	27	30	21	22	25	17	22	15	9	8	10	−12	−10	−11	−13	−12	−7	8	8	−2	13.0
Freeland	Maximum	26	29	31	33	32	32	30	30	35	37	30	33	35	31	35	35	28	31	31	16	20	28	28	5	8	17	14	13	13	20	17	25.9
	Minimum	14	21	29	28	23	19	24	25	24	27	23	26	22	18	20	25	14	18	10	6	7	16	−15	−9	−6	−4	−6	−2	5	11	1	13.4
Gettysburg	Maximum	37	32	42	40	41	37	42	39	39	40	38	45	47	41	37	41	35	36	35	29	33	39	39	17	21	25	22	22	26	28	23	34.5
	Minimum	13	15	31	30	33	27	25	23	31	34	25	30	30	24	28	31	28	27	18	15	11	19	−7	−1	−2	−5	1	6	10	11	6	18.3
Greensburg	Maximum	37	43	42	42	38	40	40	36	46	38	40	41	52	59	44	39	32	52	37	18	28	47	9	6	13	20	17	14	22	22	18	33.3
	Minimum	16	22	35	33	29	24	32	26	32	28	26	32	30	20	37	26	20	29	16	11	8	9	−14	−10	−9	−9	−6	0	8	13	−1	16.5
Grove City	Maximum	35	38	39	38	38	34	44	36	39	35	36	36	43	43	42	36	31	40	34	17	25	29	15	9	14	17	15	15	19	21	15	29.9
	Minimum	15	20	29	29	20	20	28	28	25	26	27	29	27	19	33	24	16	27	13	10	7	12	−15	−10	−8	−8	−10	4	9	9	−4	14.5
Hamburg	Maximum	32	37	44	41	39	35	37	37	39	39	37	46	43	40	40	42	37	34	38	27	28	35	40	14	19	25	22	20	24	26	21	33.5
	Minimum	13	12	31	30	33	26	29	24	30	34	29	30	32	27	26	33	24	26	20	14	4	15	−5	−2	3	3	2	6	13	5	8	18.5
Harrisburg	Maximum	34	34	42	40	39	33	42	36	38	40	37	42	44	40	41	40	31	38	39	28	29	41	9	15	15	22	18	20	24	26	20	32.2
	Minimum	16	17	34	34	32	28	28	27	31	32	29	31	32	26	28	31	26	30	16	16	10	3	−6	−2	0	0	2	7	13	7	7	18.9
Hawley	Maximum	30	28	40	37	36	34	34	34	31	35	37	38	39	38	32	34	29	25	27	21	25	31	30	11	15	20	17	14	18	21	20	28.4
	Minimum	2	6	26	27	30	21	26	23	25	29	27	26	29	15	16	25	12	17	12	7	−17	1	−10	−4	1	−18	0	−3	7	−13	2	11.2
Holtwood	Maximum	39	34	44	38	42	33	40	39	40	40	37	43	52	40	37	41	35	38	36	28	32	38	31	14	19	25	24	21	25	30	23	34.1
	Minimum	14	16	34	30	33	27	32	28	32	35	28	32	31	28	28	35	30	32	20	18	10	23	−4	3	5	5	4	8	13	13	10	21.1
Huntingdon	Maximum	39	34	46	40	38	33	39	37	40	40	38	40	48	42	40	38	34	47	44	25	31	40	19	12	19	15	9	19	23	26	20	32.7
	Minimum	9	11	33	33	31	18	30	29	31	33	23	28	26	15	16	31	22	28	18	−3	−1	6	−9	−1	−17	−19	−1	6	13	−1	4	14.3
Johnstown	Maximum	32	35	37	34	33	35	34	34	38	39	34	37	43	36	37	37	32	37	37	19	29	33	11	4	11	23	18	12	19	19	19	29.0
	Minimum	18	24	33	33	29	21	33	31	31	29	25	32	29	19	25	27	28	29	15	12	12	10	−12	−5	−6	−10	−6	2	10	10	1	17.1
Lancaster	Maximum	35	34	41	40	40	37	40	37	36	36	37	44	46	41	38	41	37	37	37	29	33	40	39	16	19	26	21	14	20	28	21	33.5
	Minimum	1	3	31	23	32	20	29	17	29	30	22	18	26	22	24	31	19	28	20	9	−7	16	−7	0	−4	−6	1	2	8	1	6	14.3
Lawrenceville	Maximum	42	33	38	36	36	31	35	33	38	39	36	36	34	40	41	37	28	39	40	29	27	35	28	15	18	24	14	19	19	25	19	31.1
	Minimum	2	5	28	31	27	21	28	27	28	30	26	26	28	21	25	24	16	16	7	−4	−10	18	−10	−7	−14	−10	−7	3	−1	−8	3	11.9
Lebanon	Maximum	38	40	41	40	40	34	40	35	38	40	35	40	45	40	39	40	36	37	25	28	33	38	10	15	19	25	10	20	24	28	17	31.9
	Minimum	10	12	19	30	34	27	28	22	25	32	27	25	27	25	28	31	22	25	19	13	−3	2	−7	−4	−4	−6	−2	0	8	4	6	15.3
Marcus Hook	Maximum	34	50	50	48	41	43	42	50	46	47	49	52	50	43	44	42	43	44	29	33	40	40	17	20	26	26	21	26	28	27	26	38.0
	Minimum	21	32	34	40	30	31	33	33	38	32	35	36	31	30	35	30	34	27	19	18	26	1	8	9	11	7	11	15	17	13	11	24.1
Meadville	Maximum	35	38	40	38	38	32	33	37	37	36	38	38	35	43	43	37	32	39	32	22	26	28	15	8	10	18	17	14	20	20	18	29.6
	Minimum	10	10	33	32	22	17	29	29	32	27	28	31	28	23	31	23	18	28	13	9	7	15	−14	−4	−9	−2	−9	6	10	11	−1	15.6
Mount Pocono	Maximum	20	33	35	41	32	30	30	29	30	28	26	27	26	34	35	28	24	23	18	15	16	30	10	6	8	14	14	12	15	20	22	23.6
	Minimum	14	15	28	24	16	18	19	24	16	15	12	15	16	15	22	24	12	15	0	2	4	10	−14	−10	−4	0	0	2	0	−2	4	10.1
Muncy Valley	Maximum	38	31	40	35	38	28	34	33	35	36	33	36	37	35	35	37	31	33	31	30	23	34	30	13	12	19	10	9	22	23	13	28.8
	Minimum	−2	6	29	30	24	16	26	30	28	30	9	9	28	16	22	27	11	20	10	−4	−5	10	−13	−20	−18	−18	−5	−4	−5	−6	4	9.2
Philadelphia	Maximum	35	50	52	45	44	34	43	38	49	42	40	45	52	42	48	44	41	41	39	29	30	41	16	16	21	26	23	21	27	26	26	36.3
	Minimum	22	24	36	33	34	29	34	33	33	34	33	34	35	31	32	33	31	33	21	17	18	16	−2	5	8	11	7	11	15	17	11	23.5
Pittsburgh	Maximum	35	42	41	42	34	38	38	36	42	35	38	40	51	50	43	30	31	47	27	17	27	35	−2	7	13	18	6	14	19	22	6	29.7
	Minimum	20	26	34	32	26	25	30	28	35	27	27	32	24	21	30	26	20	27	13	9	10	−14	−16	−11	−6	−4	−9	2	8	6	−2	15.4
Quakertown	Maximum	34	32	45	40	38	35	38	37	40	39	35	44	44	39	40	39	35	37	29	23	26	37	36	14	17	21	20	18	21	26	20	32.2
	Minimum	0	2	31	27	33	23	29	28	30	35	24	30	30	25	23	34	22	25	15	12	−1	15	−6	0	1	−2	4	5	11	−4	8	16.4
Reading	Maximum	37	39	44	41	42	32	40	38	41	42	38	42	48	43	38	40	38	36	38	27	33	42	11	16	19	25	20	20	23	25	19	33.5
	Minimum	19	16	37	35	32	28	32	29	31	34	30	31	33	29	31	31	27	29	19	15	13	10	−5	3	3	6	3	9	14	10	7	20.7
Ridgway	Maximum	34	40	37	38	34	35	33	35	38	32	38	45	43	42	42	30	34	42	19	21	29	35	12	9	10	15	8	15	18	20	8	28.7
	Minimum	4	7	23	32	27	14	23	29	29	28	27	28	31	19	19	25	14	19	14	8	12	12	−12	−10	−16	−18	−9	−8	−1	−2	−2	11.8
Scranton	Maximum	33	41	46	41	40	33	36	36	39	39	37	39	42	40	40	37	28	37	24	21	25	38	10	15	15	20	16	14	19	24	16	30.4
	Minimum	14	17	37	34	29	26	32	31	31	32	30	32	30	25	29	26	20	24	10	6	6	10	−8	−3	1	−2	1	5	9	4	7	17.6
Selinsgrove	Maximum	35	32	40	38	39	34	38	36	38	41	35	41	42	38	35	40	34	34	34	33	28	35	35	11	18	23	15	22	20	26	21	32.0
	Minimum	5	5	31	33	33	22	27	28	30	33	23	26	32	18	24	31	16	24	14	6	−4	22	−10	−8	−2	−12	−3	4	10	−3	−4	14.5
Shippensburg	Maximum	35	33	41	41	38	35	44	39	36	39	36	40	46	41	40	39	34	35	35	25	27	40	38	6	11	24	18	18	23	28	22	32.5
	Minimum	11	11	31	32	32	26	28	24	30	32	26	30	26	24	21	30	26	26	17	12	10	16	−8	−4	0	−5	−1	6	10	10	3	17.2
Somerset	Maximum	37	34	38	35	35	33	39	30	37	36	34	34	46	48	36	35	30	48	35	14	25	37	15	4	21	19	18	9	19	20	17	29.6
	Minimum	1	10	32	30	25	6	30	26	26	24	13	30	27	9	18	21	22	25	12	7	4	15	−18	−11	−28	−25	−12	−3	−1	2	−5	10.1
State College	Maximum	37	34	37	38	35	36	37	35	37	36	35	38	45	38	36	36	30	40	38	29	27	36	7	9	15	15	10	15	20	23	21	29.8
	Minimum	12	15	26	31	27	11	33	29	28	30	24	28	30	20	24	28	21	22	12	8	11	7	−14	−7	−6	−8	−7	0	1	4	−2	14.1
Stroudsburg	Maximum	40	38	39	25	20	32	35	37	39	40	38	35	35	37	40	38	36	32	30	27	24	18	16	16	10	14	15	10	8	14	19	27.6
	Minimum	8	8	6	0	−4	1	5	10	8	15	17	16	14	17	18	20	25	22	18	17	8	0	−3	−2	−8	−5	−1	−8	−12	−9	0	6.5
Towanda	Maximum	31	34	41	37	38	31	34	34	36	37	36	36	41	39	39	35	26	40	25	27	24	38	24	14	16	19	10	19	19	17	16	29.5
	Minimum	2	4	34	33	26	25	31	30	29	30	29	28	31	24	28	23	16	20	9	4	−10	19	−6	0	−3	−11	−6	5	9	−4	6	14.7
Uniontown	Maximum	40	45	46	43	40	47	47	35	45	39	40	41	54	57	45	39	36	57	39	19	27	39	17	10	14	22	17	13	21	25	20	34.8
	Minimum	17	24	34	35	31	25	33	30	33	30	27	35	32	19	33	28	25	33	16	10	8	17	−14	−9	−13	−11	−7	1	8	15	−1	17.5
Vandergrift	Maximum	34	43	43	41	38	37	40	37	45	39	40	40	52	49	41	34	33	46	39	21	30	38	5	15	12	20	11	22	20	25	14	32.4
	Minimum	14	14	35	35	26	27	32	32	37	29	29	29	31	22	31	28	19	31	15	13	11	−6	−12	−7	−10	−10	6	7	11	12	1	17.2
Warren	Maximum	30	36	40	40	35	34	34	35	38	35	34	35	40	36	38	38	30	36	29	18	30	28	22	8	10	16	10	14	20	20	14	28.5
	Minimum	12	25	34	35	29	28	30	29	30	26	27	29	30	26	32	26	18	26	12	11	12	22	−8	−3	−3	3	−8	3	8	8	4	17.8
Waynesburg	Maximum	40	46	45	43	40	37	41	41	46	39	40	41	54	54	49	40	33	53	38	20	29	37	18	13	20	22	19	17	24	25	21	35.0
	Minimum	15	20	34	33	30	24	32	29	35	28	27	34	30	18	34	26	22	30	17	7	6	15	−16	−10	−17	−13	−8	1	8	15	−2	16.3
Wellsboro	Maximum	30	30	38	34	35	29	34	32	35	37	36	39	40	35	40	35	23	39	36	25	27	32	20	12	15	20	10	15	19	22	19	28.8
	Minimum	6	7	27	29	20	15	24	26	25	29	25	20	25	15	23	22	7	12	5	−6	−4	15	−13	−6	−16	−19	−10	−2	−2	−9	−2	9.3
Williamsport	Maximum	30	31	40	37	37	32	37	35	37	36	34	40	41	35	34	38	32	36	35	25	27	34	26	13	13	17	15	21	23	20	20	30.0
	Minimum	12	9	31	34	32	22	29	31	30	33	30	28	33	22	28	31	10	24	13	8	2	17	−10	−3	−2	−9	−2	5	10	3	5	16.3
Williamstown	Maximum	40	38	41	37	39	36	35	33	34	36	32	39	38	37	35	37	33	37	36	41	38	31	32	8	13	23	21	17	20	26	25	31.9
	Minimum	11	22	26	31	29	22	25	24	25	30	24	27	31	20	25	28	18	23	11	12	7	17	−12	−6	−3	−2	−6	0	7	7	0	15.3
York	Maximum	36	33	44	40	43	37	40	40	37	41	39	42	50	43	36	40	35	37	37	26	33	40	40	15	18	22	22	21	25	28	22	34.3
	Minimum	9	9	33	27	34	22	29	17	31	31	25	19	29	21	29	31	27	28	19	11	−5	17	−6	−4	−9	−10	3	5	2	3	7	15.6

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLI. FEBRUARY, 1936. No. 2.

GENERAL SUMMARY.

February was a cold, stormy, and generally disagreeable month. With the single exception of the record breaking February in 1934, it was the coldest in the last thirty years. Temperatures were almost constantly below the normal with the exception of a short mild period on the 25th and 26th. Temperature deficiencies were twenty degrees or more on several dates in the western part of the State, and on the 19th a deficiency of thirty-three degrees was recorded at Pittsburgh. These low temperatures gave a larger portion than usual of precipitation in the form of snow and sleet. The average precipitation was about twenty percent below the February normal, yet there was a moderate excess of snowfall. The heavy sleet and ice layer that was spread over the southeastern portion of the State during the latter part of January remained on the ground and was covered by a foot or more of snow that drifted badly in some regions. Traffic was interrupted more or less on the trunk line highways, while some of the county and township roads were closed a large part of the time. The snowfall was heaviest in the mountain regions, but was heavier in the southeastern than it was in the northern and western counties. Ice storms covered the greater part of the State during the month, and made travel exceedingly dangerous at times. A heavy snow cover remained on most fields throughout the month, and protected the winter grains. In some places where the snow cover was light, the frost was reported to have penetrated the ground to a depth of three feet or more. Near the end of the month, the heavy snow and ice cover, with its large water content, was regarded as an unusual flood menace, and much concern was felt in some regions. Outdoor work of all kinds made slow progress during the month. Road building was practically suspended, and building construction was exceedingly slow and difficult. Relief work that had been planned for the benefit of the unemployed was, in many cases, impossible. This resulted in unusual hardship and suffering among the poor. During the intense cold there was insufficient fuel for comfort in many homes, and several persons were reported to have frozen to death.

TEMPERATURE.

The mean temperature for the State, as deduced from the observations taken at 86 stations, was 21.5°, which is 6.6° below the February mean for 49 years of record. The highest monthly mean was 29.8° at Marcus Hook, and the lowest was 12.6° at Gouldsboro. Extremes of temperature ranged from a maximum of 69° at Waynesburg on the 26th, to a minimum of —27° at Brookville on the 20th. The greatest daily range in temperature was 57° at Somerset and Waynesburg on the 8th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports of 141 well-distributed stations, was 2.33 inches, which is 0.53 inch less than the State average for 49 years of record. The greatest monthly amount was 6.00 inches at Philadelphia-Navy Yard, and the least was 0.50 inch at Clearfield. The greatest amount for any 24 consecutive hours was 3.10 inches at Philadelphia-Navy Yard on the 13-14th.

Snowfall for the month averaged 12.3 inches, which is 1.3 inches more than the 49-year average. The greatest monthly snowfall was 20.5 inches at Selinsgrove. The greatest snowfall for 24-hours was 12.0 inches at Bedford on the 13-14th.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	28.4	63	−31	2.50	7.2	9	7	11	11
1889	23.0	60	−27	1.96	8.7	9	7	9	12
1890	37.0	79	0	4.32	5.6	11	6	8	14
1891	34.8	70	−7	4.61	5.6	12	6	8	14
1892	31.6	62	−18	1.75	6.3	9	7	7	15
1893	27.3	60	−16	5.92	26.4	14	6	8	14
1894	27.6	64	−24	3.53	22.7	11	8	9	11
1895	20.2	60	−26	1.22	13.2	6	10	10	8
1896	29.4	65	−21	4.90	10.5	11	9	7	13
1897	30.6	67	−14	3.28	10 3	9	7	8	13
1898	29.4	72	−16	2.23	6.1	9	8	8	12
1899	22.7	67	−39	4.05	23.6	12	8	7	13
1900	27.1	81	−17	4.22	7.0	11	8	6	14
1901	21.7	57	−22	0.96	7.9	8	10	9	9
1902	23.9	64	−24	3.99	14.3	10	9	7	12
1903	30.5	68	−17	4.49	10.8	10	10	7	11
1904	21.8	68	−27	2.41	6.8	11	10	7	12
1905	20.8	59	−25	1.70	9.7	8	10	8	10
1906	28.0	79	−21	1.70	6.8	7	12	7	9
1907	22.8	56	−20	1.91	15.2	8	12	7	9
1908	24.8	64	−29	4.65	23.6	11	10	7	12
1909	35.8	73	−9	4.84	4.0	14	6	7	15
1910	26.6	65	−22	3.59	15.0	11	9	7	12
1911	31.0	66	−8	2.27	11.1	10	7	6	15
1912	23.7	69	−27	2.20	6.5	8	11	8	10
1913	27.4	67	−9	1.84	5.7	9	12	5	11
1914	21.8	65	−27	2.78	23.5	10	11	6	11
1915	33.3	73	−9	3.90	2.0	9	9	5	14
1916	25.7	67	−22	3.08	14.3	12	8	7	14
1917	25.6	68	−29	1.46	8.0	10	9	9	10
1918	28.2	69	−34	2.46	2.9	9	10	8	10
1919	32.0	66	−7	2.23	4.7	11	12	6	10
1920	25.6	62	−20	2.44	18.3	11	9	8	12
1921	32.8	76	−15	2.59	15.4	10	8	8	12
1922	33.0	74	−19	1.99	7.7	10	9	9	10
1923	24.6	58	−20	2.16	11.7	12	8	8	12
1924	26.9	70	−25	2.94	16.3	10	11	7	11
1925	35.6	71	−11	2.16	2.1	8	11	7	10
1926	28.7	65	−13	4.06	23.3	12	7	6	15
1927	35.0	69	−8	3.48	16.5	13	7	8	13
1928	30.3	65	−11	3.42	6.7	11	10	7	12
1929	28.0	69	−20	2.87	11.7	9	10	8	10
1930	35.1	80	−18	2.69	3.9	11	9	6	13
1931	31.9	66	−16	1.98	5.2	9	11	5	12
1932	35.3	83	−8	1.64	2.9	10	10	8	11
1933	31.3	68	−15	2.30	9.4	10	12	7	9
1934	18.1	59	−34	1.31	14.4	7	13	7	8
1935	28.9	66	−26	2.67	14.4	12	8	7	13
1936	21.5	69	−27	2.33	12.3	9	11	7	11
Period	28.1	83	−39	2.86	11.0	10	9	7	12

Climatological Data for February, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	21.6	−7.0	47	25	−2	20	31	2.80	−0.56	0.90	18.8	12	17	7	5	ue.	John A. Frick.
Altoona	Blair	1,615	49	20.2	−7.0	53	25	−12	19	32	1.20	−1.13	0.40	12.0	6	17	9	3	w.	John J. Martin.
Ardmore	Montgomery	350	16	24.0	−7.9	53	25	1	11	33	3.32	+0.16	1.60	16.0	9	8	8	13	.....	H. L. Balderston.
Arendtsville	Adams	700	14	19.4	−11.8	62	25	−5	2	43	2.66	0.00	2.15	13.5	4	20	0	9	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	23.3	....	63	25	−16	8	47	2.17	....	1.31	17.0	5	12	4	13	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	24.6	−6.3	50	25†	0	19	28	2.58	−0.53	0.89	14.3	10	12	2	15	w.	Lehigh University.
Carlisle	Cumberland	467	70	22.4	−7.6	52	25	−11	2	38	3.86	+0.61	2.45	17.0	8	19	1	9	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	21.2	−8.2	53	26	−11	8	43	1.45	−1.34	0.38	14.7	9	19	4	6	......	W. L. Gearhart.
Center Hall	Center	1,272	40	19.1	−8.1	50	26	−7	19	34	0.74	−1.60	0.56	6.5	2	14	7	8	.....	Edward E. Bailey.
Chambersburg	Franklin	580	37	24.3	−7.1	55	25	−5	8	32	3.51	+0.85	1.91	14.6	8	8	12	9	ne.	William B. Spear.
Clearfield	Clearfield	1,120	29	19.6	−8.6	48	27†	−19	20	48	0.50	−2.29	0.20	15.0	9	11	9	9	w.	E. W. Hess.
Coatesville	Chester	380	49	23.2	−7.1	54	23	−3	20	44	2.66	−1.11	0.63	12.5	8	11	2	16	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	20.2	−9.2	51	25	−7	11†	36	2.80	−0.61	1.60	15.6	9	16	0	13	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	17.6	−8.0	45	27†	−20	20	44	1.29	−1.53	0.36	7.0	7	7	12	10	w.	T. B. Lloyd.
Ephrata	Lancaster	380	44	23.8	−6.0	51	25	−2	20	31	2.74	−0.21	1.03	10.9	9	11	4	14	u.	Ira J. Keath
Freeland	Luzerne	1,970	43	18.3	−6.3	53	25	−10	19	27	2.09	−1.42	1.15	18.1	11	14	2	13	w.	Andrew B. Evansha.
George School	Bucks	190	30	23.6	−7.3	52	25	−4	20	33	2.25	−0.81	1.02	11.6	9	14	5	10	nw.	Prof. N. W. Swayue.
Gettysburg	Adams	553	63	25.0	−6.1	52	25	−2	8	30	2.97	+0 21	1.25	12.5	9	12	7	10	sw.	Dr Henry Stewart
Gordon	Schuylkill	810	32	19.9	−7.0	56	25	−13	20	39	2.39	−0.88	1.00	17.0	7	14	6	9	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	12.6	−9.4	49	25	−22	3	34	1.35	−1.98	0.35	13.5	8	15	6	8	w.	Ronald H. Marshall,
Hamburg	Berks	535	43	23.6	−6.3	51	26	0	19	27	3.11	−0.21	1.78	9.0	8	11	7	11	w.	State Sanatorium.
Hanover	York	600	32	25.2	−7.6	54	25	2	1†	28	3.02	+0.21	1.23	12.0	10	10	6	13	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	24.1	−6.1	53	25	2	19	31	3.32	+0.26	2.07	10.6	10	8	8	13	w.	U. S. Weather Bureau.
Hawley	Wayne	900	18	16.8	−8.5	57	25	−18	3	39	1.94	−0.88	1.00	12.7	8	16	17	6	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	24.6	−7.5	50	25	0	11†	28	2.45	−0.27	0.55	15.5	9	9	6	14	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	21.6^{b}	−7.6	51^{b}	27	−14^{b}	8	44^{b}	2.23	−0.46	1.01	8.5	6	12	9	8	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	25.3	−6.2	56	29	−11	8	46	2.21	−0.37	1.01	12.1	6	16	6	7	......	Gleuu R. Shaffer.
Kylertown	Clearfield	1,637	5	17.7	....	50	25	−10	19†	36	1.87	....	0.89	11.6	18	5	9	15	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	21.7	−8.9	47	25†	−13	10	39	2.41	−0.26	0.79	12.3	9	8	9	12	uw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	18.0	−6.5	52	25	−18	20	49	0.90	−0.93	0.40	9.0	4	13	7	9	......	C. P. Darling.
Lebanon	Lebanon	469	52	21.8	−7.6	54	25	−3	20	33	3.45	+0.32	2.16	11.5	11	14	7	8	nw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	21.6	−6.5	50	27	−11	20	34	1.53	−1.01	0.40	15.0	10	6	14	9	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	10	29.8	−3.5	54	15	6	18	25	2.80	....	......	10.6	10	15	3	11	w.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	21.6	−6.6	61	25	−7	3†	38	2.50	−1.01	1.25	14.9	9	12	7	10	nw.	R. K. Wintermute.
Mt. Pocono	Mouroe	1,720	30	18.5	−2.7	59	25	−12	20	29	1 24	−1.74	0.62	10.0	4	9	3	17	sw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	16.6	−9.0	46	25†	−17	2	40	1.45	−0.95	0.50	13.0	4	16	4	9	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	22.4	−6.8	50	25	−9	20	35	2.83	−0.13	0.74	13.5	12	12	2	15	ne.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	20.6	−7.5	51	25	−7	20	33	3.29	+0.90	1.58	15.5	10	9	11	9	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	27.6	−6.3	57	25	4	19	29	3.46	+0.03	1.59	9.2	9	8	8	13	w.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	24.2	−7.6	49	25†	−6	20	39	2.82	−0.58	0.72	13.2	9	10	10	9	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	21.4	−7.2	49	25	−8	19	32	3.06	−0.25	1.11	14.3	9	12	6	11	sw.	John E. Benner.
Reading	Berks	266	66	25.1	−3.8	55	25	2	19	34	2.79	−0.75	0.85	13.8	10	7	10	12	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	19.4	....	49	27	−11	20	36	1.47	....	0.43	18.5	7	15	5	9	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	21.5	−5.8	55	25	−3	19	39	1.31	−1.84	0.54	9.5	9	8	11	10	sw.	U. S Weather Bureau
Selinsgrove	Snyder	455	46	21.2	−7.0	46	27	−11	20	40	2.33	−0.44	0.60	20.5	9	12	8	9	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	25.2	−7.7	53	25	2	10†	30	2.43	−0.75	0.86	13.0	9	11	6	12	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	3	23.6	....	53	25	−5	8	30	3.05	....	1.75	16.5	6	12	4	13	ne.	State Teachers College
State College	Center	1,217	52	20.6	−6.0	50	25	−8	20	36	2.38	−0.09	0.81	14.3	8	8	13	8	w.	C. A. Keru.
Stroudsburg	Mouroe	500	22	23.9	−2.7	55	25	−21	1	39	1.12	−2.23	0.40	6.0	5	14	8	7	n.	State Normal School.
Towanda	Bradford	754	42	19.0	−5.8	57	25	−15	20	39	1.04	−0.95	0.33	10.2	8	11	6	12	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	16.4	−8.4	48	25	−15	3†	47	0.89	−1.13	0.39	9.8	7	19	3	7	uw.	George W. Hill.
West Chester	Chester	455	87	25.7	−5.4	52	24	0	19	26	5 00	+1.50	.....	19.0	8	10	12	7	nw.	Joseph W. Belt.
Williamsport	Lycoming	521	50	21.0	−6.7	48	27	−7	20	32	1.70	−0.80	0.87	10.3	9	15	2	12	w.	Miss Veronica E. April
Williamstown	Dauphin	1,275	21	22.4	−7.7	59	25	−6	19	29	1.82	−0.85	1.00	12.0	7	10	6	13	se.	Susquehanna Collieries Co.
York	York	400	48	22.0	−8.9	52	29	−12	8†	41	2.76	+0.01	1.12	13.0	9	16	8	5	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	44	23.2	−8.8	59	25†	−10	2†	38	2.15	−0.22	0.81	9.6	11	8	4	17	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	46	14.0	−10.7	49	25	−27	20	53	2.21	+0.08	0.58	11.9	14	3	14	12	......	Frank S. Fawcett.
Butler	Butler	1,077	23	20.2	−6.9	53	25	−19	20	42	2.89	+0.49	1.22	13.0	8	10	7	12	w.	William C. Faust.
Chambersville	Indiana	1,047	35	......	......	......	......	−17	20	....	3.05	+0.19	1.63	14.4	11	13	2	14	w	John E. Lewis.
Clairton	Allegheny	1,020	4	22.5	....	62	25	−8	18†	42	1.70	....	0.78	7.8	9	9	9	11	sw.	Carnegie Steel Co.
Claysville	Washington	1,150	31	24.7	−6.6	67	26†	−10	20	45	1.84	−0.63	0.55	9.9	10	18	2	9	s.	J. L. Melvin.
Corry	Erie	1,430	23	16.2	−9.2	47	25	−14	20	44	2.96	+0.30	0.81	7.5	11	12	4	13	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	24.3	−5.3	56	24†	−14	20	49	2.30	−0.72	0.48	10.5	9	14	8	7	w.	Ted R. Wineman.
Donora	Washington	762	10	26.4	−7.6	64	26	−4	20†	44	1.73	−0.55	0.40	6.2	8	9	2	18	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	20.7	−6.8	50	25†	−11	19	35	2.16	−0.55	0.59	13.0	8	10	10	9	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	18.6	−8.5	55	25	−12	19	41	1.72	−1.47	0.40	16.0	6	8	0	21	w.	J. S. Stevanus.
Franklin	Venango	957	62	18.0	−8.1	55	25	−20	20	56	2.11	−0.38	0.48	12.0	10	6	9	14	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	23.8	−7.5	60	25	−8	19†	45	2.39	−0.36	0.56	13.8	12	11	12	6	sw.	Westmoreland Water Co
Greenville	Mercer	950	40	18.7	−8.1	53	25	−11	20	35	2.28	−0.29	0.50	4.5	12	12	3	14	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	20.3	−7.2	61	24	−9	19†	34	2.07	−0.16	0.39	11.7	15	8	9	12	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	23.2	−6.7	60	25	−11	20	50	2.45	+0.10	0.64	10.5	9	19	6	4	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	23.0	−7.2	57	24	−7	8	40	2.68	−0.80	0.73	13.7	12	13	7	9	nw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	4	15.9	....	49	25	−14	19	38	1.99	....	0.55	15.0	12	11	3	15	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	44	23.2	−6.3	55	24†	−9	19	38	3.40	+0.27	0 47	16.6	9	7	6	16	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	19.1	−5.0	66	25	−9	20	34	2.15	−0.37	0.82	13.4	13	10	3	16	w.	Ass'd Gas & Electric Co.
New Castle	Lawrence	808	56	19.0	−9.5	55	26	−18	20	41	2.19	0.00	0.74	9.7	12	1	14	14	w.	New Castle Water Co
Newell	Fayette	800	16	24.3	−9.2	60	26	−7	19†	37	1.78	−0.44	0.50	13.0	7	5	12	12	ne.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	22.9	−9.4	58	25	−8	19	36	2.30	−0.40	1.15	10.7	16	5	10	14	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	16.8	−8.3	50	25	−22	20	54	1.34	−1.03	0.41	3.4	12	8	5	16	sw.	West Penn. Power Co.
Sharon‡‡	Mercer	940	23	20.2	−7.8	54	25	−7	18†	35	1.89	−0 11	0.60	3.5	9	1	11	17	s.	Harry H. Gerber.
Somerset	Somerset	2,190	69	19.8	−7.1	51	25	−25	8	57	2.99	−0.91	0.86	10.0	10	7	8	14	sw.	D. L. Grove.
Uniontown	Fayette	1,100	48	26.5	−5.9	65	25	−10	20	55	2.58	−0.29	0.52	10.5	9	11	9	9	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	23.3	−8.1	59	25	−10	20	43	1.82	−0 99	0.70	......	9	14	13	2	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	47	19.0	−5.6	50	24†	−10	20	32	1.97	−0.37	0.50	11.4	13	9	3	17	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	26.4	....	69	26	−11	20	57	3.45	....	1.26	9.0	8	6	15	8	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	19.4	−7.5	54	25	−3	19	29	2.37	−0.29	0.68	11.3	16	2	11	16	w.	U. S. Weather Bureau.
For the State	....	....	49	21.5	−6.6	69	26	−27	20	57	2.33	−0.53	3.10	12.3	9	11	7	11	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-4-7-36-1050.

Daily Precipitation for February, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
tlantic Drainage.																																	
llentown‖	Lehigh				.34	.06		.05	.15	.16	.28			.01	.46	.90			.25	T.							.04		.10				2.80
ltoona	Juniata			T.	.10			.15		.05				.40	.40	T.		.10	T														1.20
nsonia‖	W. Br. Susq				.06			.02	.05	.05	T.			.04	.41	.05		.04	.09										T.				0.81
rdmore	Lower Del			T	.28			.34		.54			T.	.55	1.10	.02	T.	.03	.32								T.	.14					3.32
rendtsville	Lower Susq							.17		.24					2.15				.10														2.66
aker's Summit	Juniata				.22			.34		.06				.41	1.52	.16		.13	.13								.12	.04					3.13
edford	Juniata			T.	T.			.36		.10				.50	.81			.40															2.17
ellefonte	W. Br. Susq				T.	T.		.20		T.	T.	T.	T.	.38	.78	.06		T.	.15							T.	.01	T.	T.				1.58
ethlehem	Lehigh			T	.39			.18		.53				.15	.89	.04	T	.02	.19								.06	.13					2.58
loserville‡‡	Lower Susq				.20			.08		.15					2.20			.10								.10							2.83
uffalo Mills‖	Juniata						.41	.11	.05				.10	1.66				.41															2.74
arlisle	Lower Susq			T.	.37			.34		.38				.42	2.03			.22	.07									.03					3.86
atawissa‡	N. Br. Susq			T.	.09			.21		.38				.18	.23	.04		.08	.21								.03	T.					1.45
enter Hall	Susquehanna							.18						.56																			0.74
hambersburg	Potomac			.01	.26			.42		.36				.32	1.91	.17		.06															3.51
learfield	W. Br. Susq			T.	.20			.02		.03	T	T.	.03	.10	T.			.01	.02							.06	.03	T.					0.50
oatesville	Lower Del			T.	.41			.23		.58				.46	.63			.12	.12								T.	.11					2.66
olebrook	Lower Susq			T.	.35			.22		.27				*	1.60	.14		T.	.15								.03	.04					2.80
onshohocken	Schuylkill																																
oylestown	Lower Del			T.	.40			.15		.36				.24	.64	T.	T.	.04	.40								.16	.14					2.53
mporium	W. Br. Susq			T	.10			.05		.20		T.	T.	.25				.25								.08	.36	T.	T.				1.29
phrata	Lower Susq			T.	.35			.24		.38				.42	1.03	.08		.03	.12								T.	.09					2.74
orest City	N. Br. Susq									.05	.06				1.02	.20				.20													1.53
reeland‖	Lehigh				.07	.02		.04	.16	.19	.03	T.	.02	.01	1.15	.05			.33	T.			T.			.02			T				2.09
aleton	W. Br. Susq																																
eorge School	Lower Del			.01	.07			.31		.49				.19	1.02	.01	T.	.01	.14									T.					2.25
ettysburg	Potomac			T.	.25			.40		.28				.46	1.25	.17		.02	.12									.02					2.97
irardville‖	Lower Susq			.10	.04			.22		.55				.84		.06		.03	.19								.05						2.08
ordon	Lower Susq				.23			.20		.60					1.00	.10			.22										.04				2.39
ouldsboro‖	Lehigh				.05				.05	.20	.10				.35	.10			.20	.30													1.35
raterford	Schuylkill			.01	.42			.39		.73				.61	.96		T.	.02	.03														3.17
amburg	Schuylkill				.43			.09		.35				.12	1.78	.10			T.								.17	.07					3.11
anover	Lower Susq			.01	.27			.45		.29				.43	1.23	.11		.02	.15									.06					3.02
arrisburg***	Lower Susq			.06	.23			.23		.30				.77	1.40	.14		.03	.11								.05	T.	T.	T.			3.32
awley‖	Upper Del				.25	.07			T.	.10	.17	T.			1.00	.08		T	.23	.04													1.94
ollisterville	Upper Del				.28	.03			T.	.25	.15		T.	T.	1.05	.05		.02	.31	.01								T					2.15
oltwood‖‡	Lower Susq				.20	.10		.55		.54				.45	.30	.22		.04	.05										T.				2.45
untingdon	Juniata				.13			.19		.08				.52	1.01			.30															2.23
yndman	Potomac				.10			.24						.46	1.01	.16		.24															2.21
ylertown***	W. B. Susq	.04		.02	.14	T.		.17		.03	.02	.02	T.	.31	.68	.02	.02	.17	.13						.01	.05	.01	.02	.01	T.			1.87
akeville‖	Upper Del			.26	.08				.11	.15				1.06	.04	T.	T.	.22							T.	T.	T.	T.	T.	T.			1.92
ancaster	Lower Susq			T.	.28			.27		.40				.27	.79	.10		.05	.13								T.	.12					2.41
ansford‖	Lehigh				.12	.02		T.	.08	.18	.10			T.	.75	T.			.15	T.							.02						1.42
awrenceville	N. Br. Susq			T.	T			T.		T.				.10	.40			T.	.30								.10	T.	T.				0.90
ebanon	Lower Susq			.25	.07		.01	.19		.25			.01	2.16	.26			.17								.07		.01		T.			3.45
ehighton‖	Lehigh				.38			.03	1.50		.47			.10	1.67	.05			.05	.21								T.					4.46
ock Haven	W. Br. Susq			T.	.13			.18		.10				.34	.40	.09		.10	.15							.02	.02						1.53
arcus Hook	Lower Del			*	.53			*	.12	.43				*	1.14			*	.43									.15					2.80
atamoras‖	Upper Del				.20					.30	.11				1.47				.27										.28				2.63
auch Chunk	Lehigh			T.	.23			.14		.36				.22	1.25	.03		.06	.18								T.	.03					2.50
orris Run	N. Br. Susq				.13			.07		.06				.12	.65	.10		.07	.27														1.47
ount Pocono	Upper Del				.20										.62	.12			.30									T.					1.24
uncy Valley	W. Br. Susq			T.	T.		T.	T		.50				.15	.31	T.		T.	.49								T.						1.45
eshaminy‖	Lower Del			.01	.37			.20		.47				.41	.74	.12	.03	.08	.20								.05	.15		T.			2.83
ew Park	Lower Susq				.37			.34		.32				.60	.62			.25	.13														2.63
ewport‖	Juniata				.25	T.		.15	.05	.30				.03	1.70	.20		.05	.15								.10						2.98
lmerton‡	Lehigh			.03	.23			.16		.27				.78	1.58		T.	.03	.15								.01	.05					3.29
aupack‖	Upper Del				.22	.03				.23	.05				1.13	.10			.25														2.01
hiladelphia***	Lower Del			T.	.39			.32		.56			T.	.62	1.13	.01	T.	.03	.29								T.	.11		T			3.46
hila. Navy Yard‖	....do				.29	.12		.07	.25	.12	.44			.02	3.10	.88	.01	.02	.26	.12									.30				6.00
hila-P'nt Breeze.‡	Lower Del			T.	.36			.33		.52				T.	.61	.21	.02		.30								T.	.11		T.			3.46
hoenixville	Schuylkill			T.	.45			.27	T.	.60				.23	.72			.16	.20								.04	.15					2.82
ine Grove	Lower Susq			.05	.24			.15		.60				.40	.50	.03		.02	.06								.06						2.11
leasant Mt.‖	Upper Del				.33					.48					1.25	T.			.42														2.48
ottstown	Schuylkill			T.				.29		.74				.26	.80			.50	.15									.04		T.			2.78
ottsville	Schuylkill			T.	.34			.17		.30			T.	T.	1.74	.10	.01	.05	.18								T.	T.	T.				2.89
uakertown	Lower Del			T.	.44			.21		.49				.21	1.11			.12	.23								.12	.13					3.06
eading***	Schuylkill			T.	.33			.26		.79				.58	.54	.04	T.	.01	.13						T.		.03	.08		T.			2.79
enovo.‖	W. Br. Susq				.18				.13	.05					.90	.03			.15								.10	.06					1.60
etreat	N. Br. Susq				.01			.20		.39				.16	.43			.10	.18														1.47
cranton***	....do			.03	.07			T.	T.	.24	T.	T.		24	.30	.10		.02	.30							.01	T.	T.					1.31
elinsgrove	Lower Susq			T.	.22			.17		.60				.28	.60			.20	.08								.15	.03					2.33
hawmont	Schuylkill			T.	.45			.25		.16				.29	.86			.09	.16								.01	.16					2.43
hippensburg	Lower Susq			T.	.28			.28		.38				.35	1.75			.01	T.														3.05
tate College	W. Br. Susq				.22			.27		.26		T.	T.	.46	.81	.07		.15	.14							T.	T.	T.	T.	T.			2.38
troudsburg‖	Upper Del			.04												.40	.15										.38	.15					1.12
unbury‖	Lower Susq				.09	.04		.13	.04	.63	.04			.06	.67	.12			T.	T.								T.					1.82
usquehanna‖	N. Br. Susq				.09	T.				.08	T				.63	.09		T.	.16	T.													1.05
owanda	....do		T.	T.	.06			.02	T	.13	T.	T.		.14	.33	.10		.02	.24				T.				T.	T.		T.			1.04
eikert	Lower Susq						.16			.40				.60	.20			.08									.05	.07					1.56
ellsboro	W. Br. Susq			T.	.06			.02		.06		T.		.39	.13			.09	.14									T.					0.89
est Chester	Lower Del				T.			*	3.10	T				*	1.10		T.	.27	.10					.25				.18					5.00
estgrove‖	....do				.24	.10			.19	.09	.40			T	.68	.11		.10	.10										.16	T.			2.17
ilkes-Barre‖	N. Br. Susq				.08	.06		.03		.11	.06	T.		.01	.60	.05		T.	.29								T.	T.	T.				1.29
illiamsport‖	W. Br. Susq				.13	T.		.06	.09	.20	T.			.05	.87	.09			.19								.02	T					1.70
illiamstown	Susquehanna			T.	.16			.13		.16				.11	1.00			T.	.23								.03						1.82
ork	Lower Susq			T.	.25			.37		.30				.34	1.12	.10		.02	.21									.05					2.76
ork Haven‖	Lower Susq				.26	.06		.08	.11	.29					1.30	.15			.10										.09				2.44
onsville..(near)	Schuylkill			T.	1.02	.08		.42		.75				.66	2.00			T.	.15														5.08
renton, N. J***	Lower Del			.02	.40			.18		.25		T.		.40	.52	T.	T.	.29									.02	.12					2.20

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Daily Precipitation for February, 1936—Continued from page 8

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio				.13	.03		.10	.01	T.		T.		.20	.81	.11		.10	.35								.27	.04	T.				2.15
Beaver Falls‖‖	Beaver	T.			.17	.01		.10	T.	.01		T.	T.	.20	.89	.10	T	.08	.30								.35	.03	T.				2.24
Bradford	Allegheny	.02			.35			T				T.	T.	.08	.09			.30	.16							.05	.66	.27	.05				2.03
Brookville	do	.02			.16			.07		.17		.08	.02	.13	.58	.10		.28	.36							T.	.11	.10	.03				2.21
Butler	Ohio			.10	.05			.10				.02		1.22				.50									.70	.20					2.89
Chambersville	Allegheny				.12			.08				.04		.30	.19	.14		.24	1.63							.02	.21	.08	T.				3.05
Clairton‡	Monongahela			.03	.05			.15		T.	T.			.78	.08		.20	.25	T.							.08	.08	T.					1.70
Claysville	Obio			T.	.08			.17		T.		.02		.55	.25	.05	T.	.18	.18							T.	.23	.13		T.			1.84
Confluence‖‖	Youghiogheny				.03	.05		.20	.11			.08		.16	1.28			.10	.64								.20	.10					2.95
Corry	Allegheny				.81					.01	.35	.02		.02	.05		.13	.07								.42	.67	.41					2.96
Derry	Conemaugh			T.	.18			.20			T.			.48	.17	.31		.35	.33								.15	.13					2.30
Donora‖‖	Monongahela				.05			.17		T.		T.		.38	.40	T.		.14	.38								.19	.02					1.73
Ebensburg	Conemaugh			T.	.25			.15		T.	T.	.24	T.	.36	.59			.01	.32									.24					2.16
Elk Lick	Youghiogheny				.12				.50			.20		.40	.20				.30														1.72
Franklin‖‖	Allegheny				.28	.14		T.		.10		.08		.14	.48			.24	.22									.40	.03				2.11
Greensboro‖‖	Monongahela				.08	.05		.25	.10	.03		T.	T.	.15	.46	.34		.12	.47								.32	.07					2.44
Greensburg	Youghiogheny			.01	.11			.25		.02	T.	.01	T.	.56	.37	.02		.35	.36							T.	.25	.08		T.			2.39
Greenville	Beaver	T.		T.	.47			T.		.02	T.	.02	.01	.42	.28	.05	T.	.10	.15							T.	.50	.25	.01				2.28
Grove City	do	.08		T.	.26			.03		.01	.01	.01	.01	.39	.39	.05		.26	.33							.03	.12	.09	T.				2.07
Herrs Isl. Dam‖‖	Ohio	.03			.11	.03		.12	.08	T.	T.	.01	T	.14	.78	.06		.18	.38	.01							.13	.04	T.				2.10
Irwin	Monongahela	T.		.04	.10			.26	T.	T.	T.			.64	.39	.14		.33	.30								.25						2.45
Johnstown	Conemaugh	T.		T.	.29			.26		.04	T.	.04		.73	.54	.03	T.	.33	.18							.03	.18	T.	.03	T			2.68
Kane (near) ‡‡	Allegheny	.01	T.		.05			.09		.27	T.	.11	.08	.19	T	T.		.29	.26							.10	.39	.15	T.				1.99
Kregar‖‖	Youghiogheny			.02	.21		.18	.12			.06	.02	.08	.49	.24		.10	.46	.02	T.						.28				T			2.28
Lake Lynn‖‖	Monongahela				.04	.16		.13	.25	.01	.02	.02		.05	.58	.45		.12	.55								.29	.08					2.75
Linesville‖‖	Beaver				.37					.07		.05		.12	.60		.17	.14	.15							.23	.41	.54					2.85
Lock No 2‖‖	Ohio				.11	.02		.12				T.		.15	.81	.12		.08	.21								.17	.05					1.84
Lock No. 4‖‖	Monongahela				.05	.05		.11	.06	.01		.01		.12	.73	.10		.16	.38								.25	.07					2.10
Lock No. 5‡‡‖‖	Allegheny				.09	.03		.15	.06	.05		.04	.03	.14	1.03	.08		.28	.67								.19	.03					2.87
Lycippus	Conemaugh				.33			.35						.47	.35	.55		.40	.31								.32	.32					3.40
McKeesport‖‖	Monongahela				.01			.36						.16	.58	.01		.10	.29								.08						1.59
Meadville	Allegheny	.03	T.		.47					.04	.01	.05	.05	.19	.15	.04	T.	.10	.20	T.							.47	.35					2.15
Mosgrove‖‖	do	T.			.10	.08		.06	.03	.07		T		.21	.86	.10		.32	.28								.29	.05	T.				2.45
Mount Lebanon	Ohio			T.	.14			.12		T.	T.			.85	.05	T.	.18	.16	.22							.03	.09	T.					1.84
Natrona‖‖	Allegheny	T.			.14	.03		.13	.03	.03	T.	.04	T.	.12	.93	.10		.26	.35	.08							.18	.03	T.				2.45
New Castle‖‖	Beaver	T.			.29	.01		.06			.02	.01	.01	.22	.74	.09		.11	.26								.37		T.				2.19
Newell	Monongahela						.50							.30	.20			.10	.40								.18	.10	T				1.78
Parkers Landing‖‖	Allegheny	T.			T.	T.		.04	T	.02	T.	.01	T.	.18	.75	T.		.20	.18	T						T.	.16	T.	.10	T.			1.64
Pennline‖‖‡‡	Beaver	T.	.02		.53	.02					.02	.02	.01	.03	.09	.50	.04	.15	.15	T.						.03	.04	1.05	.04	T.			2.74
Pittsburgh***	Ohio			.04	.11			.24		.01	.01	.01	T.	1.12	.08	.01	.13	.21	.14							.02	.12	.04	.01	T			2.30
Punxsutawney‖‖	Allegheny																																
Ridgway	do	T.			.08	.14	T.	.04	.02	.05	T.	T.	T.	.05	.21	.12		.13	.28							T.	.04	.18	T.				1.34
Saltsburg‖‖	Conemaugh																																
Sharon‖‖	Beaver				.29			.02			T.	.02		.20	.60	.05		.09	.06									.56	T.				1.89
Smethport‖‖	Allegheny				.05	.02		.02	.02		.05		.05	.05	.06	T.		T.	.25						T.	.25	T.	.25	T.				1.0
Somerset	Youghiogheny				.18			.32		.05	T.			.57	.86	.18		.24	.28								.24	.07					2.99
Springdale‖‖‡‡	Allegheny				.11			.17	.06			.02	.02	.17	.73	.05		.19	.33								.12	.04					2.0
Uniontown	Monongahela				.17			.34				T.		.52	.17	.34		.19	.52								.16	.17		T.			2.58
Unity Reservoir‡‡	Youghiogheny			.20	.15			.24		.02	.01	T.		.30	.29	.25		.43	.36											T.			2.2
Vandergrift‡	Conemaugh			.02	.15			.20		T.	T.	T.		.70	.13			.34	.11							.13		.04					1.8
Warren	Allegheny	.02			.16					.15		.10		.04	.18		.15	.35	.13							.09	.50	.05	.05				1.9
Waynesburg	Monongahela				.90			.25						.30	1.26	.11		.10	.21								.32						3.4
Westford‖‖	Beaver	.12	.09	.40	.03					.04	.06	.03	.10	.30	.05	.04	.12	.26	.24	.23	.20	.17	.14	.10	.03	.90							3.65
West Newton‖‖	Youghiogheny				.05	.03		.14	.04		T.			.12	.68	.11		.16	.45								.21						1.9
Lake Drainage.																																	
Erie***	Lake Erie	.02		.08	.30	.01	T.			.11	.06	.13	.02	.24	.12	T.	.19	.20	.18							.01	.68	.02		T.			2.3

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete r missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, inesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.08	30.53	8	29.12	4	14.2	47	w.	4	78	69	74	47
Harrisburg	30.11	30.56	8	29.34	4	7.3	27	nw.	18	71	57	59	47
Philadelphia	30.12	30.55	8	29.40	4	11.7	29	n.	7	67	59	61	53
Pittsburgh	30.08	30.50	8	29.30	4	11.2	45	sw.	4	85	68	73	60
Reading	30.13	30.57	8	29.37	4	10.9	41	e.	14	72	61	61	41
Scranton	30.10	30.55	3	29.31	4	6.8	21	nw.	18	74	52	56	52

* For any five-minute period. † Corrected to true velocities.

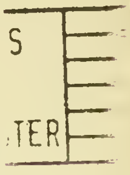
RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	6.6	7.4	28	5.3	23	18
Phillipsburg	Delaware	†					22
Lehighton	Lehigh	†					9
Wilkes-Barre	Susquehanna	3.9	6.7	29	2.9‡	19	20
Williamsport	Susquehanna	3.3	4 1	2	2.4	26	20
Harrisburg	Susquehanna	†					17
Greensboro	Monongahela	15.8	28.6	15	11.0	2	30
West Newton	Youghiogheny	4.9	23.0	26	2.5	13	20
Lock No. 4	Monongahela	16.3	26.5	16	11.3	3	30
Pittsburgh	Ohio		29.2*	28	11.1*	3	25
Beaver Dam	Ohio		33.9*	28	11.2*	4	30

* —Pool stage. † —Frozen ‡ Ice reading

Daily Temperatures for February, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	18	20	23	35	26	25	20	27	34	19	23	22	26	37	45	34	40	28	28	22	31	27	33	40	47	46	41	37	44	....	....	31.1
	Minimum	5	6	0	8	20	12	12	7	10	8	3	5	10	14	23	20	22	15	0	−2	0	5	5	9	22	34	34	28	16	....	....	12.1
Altoona	Maximum	10	23	20	34	25	25	20	23	27	19	13	24	21	35	41	37	37	32	12	23	31	26	29	35	53	48	46	36	48	....	....	29.4
	Minimum	−1	−4	3	16	10	2	12	−4	16	8	7	5	11	20	22	15	25	0	−12	−7	7	0	7	20	34	35	31	23	21	....	....	11.1
Bedford	Maximum	16	24	20	39	34	29	26	31	35	28	16	30	29	41	40	41	40	35	16	27	33	30	36	43	63	50	50	39	53	....	....	34.4
	Minimum	0	4	7	18	15	10	15	−16	17	10	9	8	12	23	27	10	32	7	−4	9	0	2	−2	17	35	35	35	28	18	....	....	12.2
Brookville	Maximum	8	13	21	31	44	18	20	24	30	23	14	15	20	33	40	35	45	29	14	13	28	31	28	33	49	45	45	48	34	....	....	28.7
	Minimum	−3	−22	−20	10	5	−11	−7	−19	−14	−2	−4	1	4	20	15	2	6	6	−20	27	−25	11	−18	−6	27	32	30	20	11	....	....	−0.7
Butler	Maximum	10	19	23	44	32	20	25	30	34	15	10	19	32	38	30	32	30	20	7	23	27	24	36	42	53	52	48	43	45	....	....	29.8
	Minimum	−3	7	0	23	6	−1	11	−11	2	4	6	3	10	30	15	20	15	2	−9	−19	−3	−3	10	36	40	36	36	23	24	....	....	10.7
Carlisle	Maximum	22	26	18	33	36	26	25	29	34	30	24	30	24	38	46	40	38	34	21	23	30	31	34	37	52	45	46	44	46	....	....	33.2
	Minimum	2	−11	−3	17	18	10	13	−9	0	0	7	5	2	21	32	16	31	13	0	−8	0	10	0	20	33	37	34	29	15	....	....	11.5
Catawissa	Maximum	17	9	22	37	30	29	20	32	37	28	20	22	29	36	46	43	41	38	15	25	33	30	32	40	50	53	38	42	46	....	....	32.4
	Minimum	0	−5	−5	8	15	3	11	−11	5	3	−2	5	11	22	28	12	32	10	−3	−10	−5	2	−5	19	34	35	28	32	20	....	....	10.0
Chambersburg	Maximum	22	25	18	39	36	29	25	27	38	29	23	28	23	40	47	40	36	34	23	23	32	31	33	37	55	47	50	47	49	....	....	34.0
	Minimum	4	2	6	17	19	12	14	−5	6	12	8	9	10	22	32	21	32	10	2	−2	3	9	4	20	34	39	34	30	19	....	....	14.6
Chambersville	Maximum	10	20	25	46	29	22	24	30	36	20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	−3	−12	3	22	6	0	12	−15	15	4	6	3	3	29	16	16	17	−2	−11	−17	−5	−6	−9	27	45	35	30	22	21	....	....	8.7
Claysville	Maximum	17	30	33	47	24	25	29	40	40	20	14	30	41	45	42	34	31	28	15	30	30	32	40	52	60	67	67	44	52	....	....	36.5
	Minimum	−4	−5	13	22	8	1	15	−5	12	6	7	5	21	34	17	15	17	0	−9	−10	3	5	4	35	50	38	29	25	25	....	....	12.9
Clearfield	Maximum	14	12	20	40	39	30	28	30	29	24	24	18	28	38	40	44	38	33	28	29	32	32	34	38	42	40	48	35	48	....	....	32.2
	Minimum	−3	−6	−5	16	8	−2	8	−15	5	5	6	5	5	25	20	8	22	2	−10	−19	−8	−6	−8	24	32	31	29	22	12	....	....	7.0
Coatesville	Maximum	17	21	21	35	35	25	22	29	35	24	23	25	26	35	42	32	44	35	17	24	31	27	54	28	51	47	42	40	45	....	....	32.1
	Minimum	4	5	7	19	19	12	12	5	5	4	0	7	7	23	28	19	31	7	0	−3	7	11	10	20	35	36	34	26	21	....	....	14.2
Corry	Maximum	10	15	23	38	20	12	23	35	27	10	15	27	27	30	27	25	24	14	24	24	27	28	32	38	47	40	46	32	38	....	....	26.8
	Minimum	6	0	6	20	−4	−2	−1	−9	−2	1	2	5	10	5	12	15	6	−11	−10	−14	−6	−11	4	24	35	31	19	13	15	....	....	5.5
Emporium	Maximum	11	4	20	38	25	12	12	28	23	22	17	21	25	38	36	42	38	32	12	22	25	26	32	40	40	41	45	42	45	....	....	28.1
	Minimum	−1	−9	−9	12	10	−1	1	−16	12	5	5	8	12	25	22	7	27	−4	−4	−20	−7	−8	11	20	37	35	27	21	13	....	....	7.2
Erie	Maximum	13	14	28	43	14	14	21	32	31	13	15	18	35	39	26	20	21	17	8	20	20	20	34	53	54	49	42	30	39	....	....	27.0
	Minimum	4	4	7	14	3	3	9	7	5	5	11	9	15	26	12	14	13	−3	−3	0	9	5	10	34	38	35	22	16	21	....	....	11.9
Franklin	Maximum	18	24	34	45	18	25	28	34	23	16	15	20	33	37	36	26	27	12	14	30	31	31	37	54	55	50	45	38	46	....	....	31.1
	Minimum	−1	−3	−1	12	5	−4	−3	−8	−6	2	4	6	7	19	13	7	12	4	−9	−20	−18	−9	−8	−2	37	33	34	20	20	....	....	4.9
Freeland	Maximum	7	14	13	29	28	18	14	27	26	19	10	14	16	31	35	28	33	32	7	20	23	21	23	32	53	50	42	37	36	....	....	25.4
	Minimum	2	−3	0	12	10	2	7	2	11	6	0	2	12	16	25	20	27	5	−10	−2	7	4	7	21	32	35	34	20	20	....	....	11.2
Gettysburg	Maximum	21	26	23	37	37	29	29	28	35	32	28	28	26	38	45	42	36	34	27	22	30	31	35	39	52	46	49	44	48	....	....	34.4
	Minimum	8	0	6	18	20	12	15	−2	7	12	8	7	10	23	32	20	32	16	3	0	4	13	12	23	34	40	35	30	19	....	....	15.6
Greensburg	Maximum	13	19	32	47	23	23	22	40	36	19	13	31	38	41	41	46	31	28	11	28	29	25	39	52	60	58	59	40	50	....	....	34.3
	Minimum	−2	0	11	15	10	6	15	−5	14	8	7	5	18	34	19	23	19	1	−8	−8	4	7	4	31	50	37	23	25	27	....	....	13.4
Grove City	Maximum	11	23	26	45	23	22	27	29	33	21	19	20	33	38	38	31	27	25	8	23	29	28	34	61	52	49	50	35	42	....	....	31.1
	Minimum	−3	0	8	21	5	−1	0	1	4	1	5	2	16	30	10	13	12	−4	−9	−9	4	−6	3	27	43	34	23	19	26	....	....	9.5
Hamburg	Maximum	18	22	18	35	36	27	24	28	33	26	22	21	22	39	42	37	42	36	17	20	32	28	34	39	50	51	48	43	45	....	....	32.2
	Minimum	6	6	1	17	19	12	13	6	9	6	4	9	9	19	31	22	30	12	0	1	6	12	12	22	34	38	35	28	18	....	....	15.1
Harrisburg	Maximum	19	22	20	37	27	26	24	25	32	22	21	25	24	36	41	36	39	36	19	21	29	28	33	38	53	48	49	40	47	....	....	31.6
	Minimum	4	6	7	20	17	13	13	12	14	12	7	7	15	23	30	24	31	5	2	2	7	16	9	26	35	38	31	29	25	....	....	16.6
Hawley	Maximum	13	16	16	32	33	18	16	25	30	26	18	20	18	33	39	35	35	34	12	23	26	24	27	35	57	47	47	43	40	....	....	28.9
	Minimum	−10	−5	−18	11	14	−5	4	−12	5	−10	−5	4	2	15	26	0	27	10	−6	−16	−11	−6	−10	7	33	33	31	23	6	....	....	4.7
Holtwood	Maximum	19	22	21	37	37	28	25	27	40	20	21	27	30	36	43	36	41	36	21	28	30	28	36	41	50	45	42	41	45	....	....	32.9
	Minimum	4	2	10	20	23	17	15	5	12	3	0	0	6	28	32	22	34	11	5	2	9	16	8	27	35	36	34	30	25	....	....	16.2
Huntingdon	Maximum	16	23	...	40	27	30	24	30	34	22	18	31	26	40	43	42	36	33	16	26	35	30	33	....	40	46	51	41	52	....	....	32.8[b]
	Minimum	5	−8	....	18	10	12	14	−14	12	12	11	7	11	23	29	11	29	12	−8	−12	−4	2	−4	....	15	34	30	20	16	....	....	10.5[b]
Johnstown	Maximum	13	25	23	35	24	22	22	33	26	16	13	26	29	37	36	47	40	25	15	33	34	30	35	57	55	48	50	41	53	....	....	32.5
	Minimum	0	1	10	22	12	8	7	−7	16	9	9	8	18	28	25	16	25	1	−5	−6	8	5	2	23	42	37	28	26	25	....	....	13.6
Lancaster	Maximum	19	16	19	34	34	28	26	27	34	26	27	26	28	36	41	35	36	37	25	22	33	33	31	36	47	47	45	43	43	....	....	32.2
	Minimum	−3	−7	0	17	19	9	12	−9	−4	−13	−10	4	−3	23	31	10	31	14	−1	−8	−1	7	−3	16	32	33	31	23	14	....	....	11.2
Lawrenceville	Maximum	17	18	19	40	34	25	20	31	34	19	20	23	23	36	37	42	38	28	17	28	29	28	34	39	52	45	49	35	43	....	....	31.1
	Minimum	−13	−10	−15	16	7	−9	5	4	17	1	−4	3	6	20	22	0	18	0	−17	−18	−10	−12	−15	19	36	32	31	19	12	....	....	5.0
Lebanon	Maximum	19	22	28	35	28	28	20	29	37	20	24	25	31	36	41	36	39	24	22	22	31	27	34	39	54	45	49	38	45	....	....	32.0
	Minimum	1	2	2	11	19	7	13	−1	5	4	0	3	5	14	31	21	24	22	0	−3	1	7	1	6	28	35	35	27	17	....	....	11.6
Marcus Hook	Maximum	27	23	38	40	31	28	33	36	37	24	28	29	36	44	54	45	45	23	24	33	34	35	41	50	53	47	45	47	46	....	....	37.1
	Minimum	13	16	23	26	20	16	13	17	12	11	12	17	29	33	29	34	22	6	11	18	17	18	28	37	43	36	32	29	31	....	....	22.4
Meadville	Maximum	14	17	25	43	24	16	21	30	31	12	13	18	32	37	36	23	25	26	10	23	25	37	34	49	66	47	48	31	39	....	....	29.0
	Minimum	0	5	1	23	3	−1	11	−4	6	0	7	6	15	17	10	10	12	−5	−7	−9	−3	−3	1	28	44	34	25	17	25	....	....	9.2
Mount Pocono	Maximum	25	22	13	20	19	17	11	10	25	15	17	15	17	28	33	35	30	26	20	17	22	29	28	35	59	46	38	37	38	....	....	25.9
	Minimum	8	12	6	10	12	0	3	2	5	0	3	1	11	10	25	23	22	16	−9	−12	−2	15	17	14	30	36	32	16	15	....	....	11.1
Muncy Valley	Maximum	12	20	14	31	33	16	23	32	26	19	20	18	28	34	39	39	33	32	10	20	32	26	28	37	46	40	46	37	41	....	....	28.7
	Minimum	−16	−17	−12	13	2	−10	3	−5	3	−6	−14	−15	8	21	26	8	30	10	−14	−15	−8	5	−10	12	33	33	32	23	11	....	....	4.5
Philadelphia	Maximum	19	23	25	40	35	28	27	30	36	24	23	25	30	36	45	36	44	37	19	25	33	29	34	42	57	55	44	41	48	....	....	34.1
	Minimum	11	13	15	24	23	19	15	13	17	14	9	11	20	30	32	29	35	8	4	14	19	17	19	29	39	40	35	32	29	....	....	21.2
Pittsburgh	Maximum	12	17	32	47	18	23	22	37	36	13	12	25	38	42	31	38	28	24	9	24	26	25	37	50	58	58	52	40	49	....	....	31.8
	Minimum	−3	5	14	17	8	5	14	1	12	6	7	4	21	31	20	20	17	−5	−8	−2	11	9	9	36	43	38	27	25	23	....	....	14.0
Quakertown	Maximum	15	19	19	34	36	23	22	27	30	25	21	21	22	34	41	37	44	36	22	28	31	29	31	39	49	46	41	39	41	....	....	31.1
	Minimum	5	6	−4	17	18	11	11	1	−1	1	1	6	−3	19	30	14	29	17	−8	−2	−1	8	4	16	32	36	34	27	14	....	....	11.7
Reading	Maximum	17	21	23	37	27	26	24	28	34	20	23	25	28	36	45	33	42	38	18	23	30	28	34	40	55	50	50	37	49	....	....	32.4
	Minimum	8	8	7	23	20	14	15	8	17	12	10	11	13	26	30	22	32	4	2	6	10	13	15	29	36	41	32	29	22	....	....	17.8
Ridgway	Maximum	10	22	29	41	14	21	25	32	24	13	14	19	32	38	38	46	29	14	9	26	30	28	34	49	50	48	43	34	44	....	....	29.2
	Minimum	8	−10	−7	14	7	−3	−2	−17	−14	3	3	5	6	19	17	10	14	9	−8	−22	−18	−13	−12	−5	33	34	34	20	14	....	....	4.1
Scranton	Maximum	16	16	21	37	24	20	17	25	32	15	20	20	24	35	35	41	36	38	13	24	26	23	29	41	55	48	50	33	47	....	....	29.7
	Minimum	3	2	−2	18	14	8	10	9	15	7	4	7	18	20	22	16	29	−1	−3	−2	7	10	8	22	38	38	29	22	19	....	....	13.3
Selinsgrove	Maximum	18	25	21	37	36	28	24	27	33	25	17	24	25	35	41	38	42	34	15	22	29	27	34	39	45	45	46	45	43	....	....	31.7
	Minimum	−2	−3	4	16	15	2	11	−3	6	4	2	2	10	21	31	9	28	12	−4	−11	−5	7	−6	20	34	36	34	26	14	....	....	10.7
Shippensburg	Maximum	20	25	20	35	38	25	25	25	32	29	20	26	26	38	46	41	35	34	20	23	31	30	32	36	53	52	48	46	45	....	....	33.0
	Minimum	13	5	3	16	17	12	13	−5	5	10	7	7	10	20	32	18	29	14	1	−2	2	8	8	18	33	38	33	29	20	....	....	14.3
Somerset	Maximum	10	32	21	45	23	25	22	32	32	17	15	20	31	37	41	44	38	34	10	30	30	25	39	50	51	48	45	35	48	....	....	31.9
	Minimum	−5	−12	3	19	7	0	12	−25	17	4	3	2	6	25	19	12	24	−1	−10	−16	−4	−4	−11	17	41	34	30	22	18	....	....	7.8
State College	Maximum	14	20	22	36	25	24	20	24	30	20	15	24	26	36	41	42	37	34	21	24	32	28	33	39	50	49	19	35	47	....	....	30.9
	Minimum	−2	−3	−1	10	9	2	8	−6	13	8	5	5	13	21	25	13	25	−2	−7	−8	2	2	4	21	34	35	28	23	19	....	....	10.2
Stroudsburg	Maximum	10	20	19	21	31	32	35	36	47	31	21	31	35	40	46	48	45	45	32	35	40	38	41	50	55	47	42	40	33	....	....	36.1
	Minimum	−21	−19	−9	0	4	10	8	10	12	−1	0	0	10	10	15	22	25	28	6	10	20	18	25	25	30	31	35	26	10	....	....	11.7
Towanda	Maximum	16	19	19	38	29	23	16	27	34	16	19	22	22	35	34	40	35	34	13	24	27	26	28	42	57	46	49	34	44	....	....	29.9
	Minimum	0	−2	−12	18	13	−1	9	1	13	1	−2	8	10	21	17	2	22	−1	−8	−15	−8	−1	−9	21	37	35	29	22	16	....	....	8.1
Uniontown	Maximum	17	29	34	47	26	27	24	46	39	22	14	28	40	44	43	48	35	30	17	31	29	29	42	53	65	63	63	46	55	....	....	37.4
	Minimum	−1	2	17	26	13	8	17	−9	22	10	10	7	23	35	23	22	23	3	−8	−10	3	7	1	31	52	41	32	28	25	....	....	15.6
Vandergrift	Maximum	15	21	32	49	25	25	25	35	38	20	19	24	36	42	32	45	28	27	14	27	30	27	38	53	59	58	56	42	49	....	....	34.2
	Minimum	0	−8	9	24	13	6	1	−8	11	9	11	7	17	32	18	24	17	−2	−5	−10	0	4	2	25	42	38	30	26	27	....	....	12.4
Warren	Maximum	12	18	24	38	24	18	20	28	26	12	14	18	27	40	29	24	28	28	6	22	25	22	32	50	50	48	42	34	32	....	....	27.3
	Minimum	−2	−6	0	24	0	5	10	0	12	6	10	10	18	27	16	5	17	0	−4	−10	2	−5	0	27	42	34	32	16	22	....	....	10.6
Waynesburg	Maximum	20	29	33	49	24	28	28	47	42	24	18	30	46	44	41	38	31	29	18	30	32	30	43	53	63	69	66	45	55	....	....	38.1
	Minimum	−2	4	12	24	10	4	17	−10	18	8	9	6	22	34	20	18	21	4	−6	−11	3	9	3	31	52	40	33	28	25	....	....	14.7
Wellsboro	Maximum	12	17	18	39	25	25	15	26	32	10	15	22	25	36	33	40	32	32	14	25	25	27	32	38	48	39	46	34	45	....	....	28.5
	Minimum	−8	−13	−15	12	6	−7	6	−3	10	−3	−3	3	10	20	21	0	18	−5	−13	−15	−11	−9	−15	18	32	31	26	19	10	....	....	4.2
Williamsport	Maximum	16	23	16	38	35	24	21	26	30	24	20	24	25	35	38	40	35	34	15	20	30	29	29	38	41	41	48	37	44	....	....	30.2
	Minimum	1	−3	−3	16	13	5	11	−1	16	9	0	7	14	23	31	11	30	6	−3	−7	−2	5	0	20	35	35	35	27	15	....	....	11.9
Williamstown	Maximum	13	19	16	31	30	22	22	30	35	32	16	20	23	33	42	42	40	34	13	22	29	29	33	35	59	57	49	49	46	....	....	31.8
	Minimum	−1	1	1	11	12	6	7	1	12	8	3	4	15	16	28	21	27	10	−6	0	9	7	9	22	32	37	34	23	24	....	....	12.9
York	Maximum	20	20	22	34	36	28	26	25	34	23	24	28	27	37	42	39	40	36	22	24	30	28	38	42	48	45	50	45	52	....	....	33.3
	Minimum	−5	−9	3	18	21	9	14	−12	1	−5	−5	−12	4	25	32	14	32	18	0	−6	0	4	−3	24	33	36	32	28	18	....	....	10.7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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLI. MARCH, 1936. No. 3.

GENERAL SUMMARY.

March temperatures were mostly above the normal, with greatest departures in the eastern half of the State. March has had higher averages for Pennsylvania seven times in the last 49 years, the warmest being in 1903, with an excess of 8.7 degrees as compared with 4.9 degrees this year. The precipitation was the greatest of record for March. The snowfall was heavy in the northern tier of counties, and in all of the Ohio drainage area. It had been heavy during the first half of February, and, with low temperatures during the last half of the month, a large part of the snow cover remained on the ground at the beginning of March. The snow had melted within itself to a considerable extent, and its water content was large. This was supplemented by from two to four inches of new snow in the greater portion of the State on March 2d and 3d. As a result the heavy rains and melting snows of the 11th and 12th caused serious floods in all of the streams of the State, in some places exceeding all previous gage records. These flood waters had only partly subsided, leaving some snow cover on the upper watersheds, with considerable frost in the ground, when excessive rains of the 17th to 19th, inclusive, brought the streams to much higher stages than occurred with the first rise. At nearly all river stations the gage readings were the highest of record, and at most places in the Susquehanna and Ohio drainage area they exceeded the high water marks of all time. The losses in those watersheds were appalling and unprecedented. The loss of human lives, while upwards of 100, will probably never be definitely known, because of the difficulty of accounting for all missing persons. The loss of 67 lives in Pittsburgh and vicinity, and 22 in Johnstown, is definitely known. Upwards of ,000 persons sustained serious injuries. The survey of property damage was still in progress at the time of going to press. Completed figures for the Delaware and Lehigh rivers totaled $1,219,050. In the Wyoming Valley, comprising Wilkes-Barre and near-by towns, the losses were upwards of $9,000,000. For Johnstown they were definitely fixed at $28,821,000. In the Pittsburgh district the figures are nearing $200,000,000, with the survey still incomplete. No figures are yet available for the Sunbury region, where the losses were very heavy. It appears that the total losses for the State were not far from$300,000,000. Minor losses along the river, between towns, were carefully surveyed in the Delaware and Lehigh Valleys by the U. S. Engineers, but such losses for the Ohio and Susquehanna drainage areas will probably never be known.

TEMPERATURE.

The mean temperature for the State, as deduced from the observations taken at 85 stations, was 42.6°, which is 4.9° above the March mean for 49 years of record. The highest monthly mean was 50.6°, at Marcus Hook, and the lowest was 34.7° at Gouldsboro. Extremes for the month ranged from a maximum of 84° at Greensburg on the 29th to a minimum of —3° at Gouldsboro on the 2d. The greatest daily range in temperature was 51° at Huntingdon on the 4th.

PRECIPITATION.

The average precipitation for the State, as deduced from the records at 133 well-distributed stations, was 6.84 inches which is 3.30 inches above the 49-year average. The greatest monthly amount was 10.06 inches at Bakers Summit, while the least amount was 3.01 inches at Grove City. The greatest amount recorded in any 24 consecutive hours was 4.50 inches at Buffalo Mills on the 17-18th.

Snowfall for the month averaged 7.4 inches, which amount is 0.3 inch below the 49-year average for the State. The greatest monthly snowfall was 41.0 inches at Corry. The greatest 24-hour snowfall was 20.0 inches at Corry on the 17th.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	31.2	72	−6	3.55	9.9	11	6	10	15
1889	39.0	76	4	2.90	3.1	9	10	8	13
1890	33.2	76	−21	5.15	17.5	16	6	10	15
1891	33.8	60	−14	5.10	15.8	14	7	8	16
1892	31.8	66	−4	4.14	18.8	12	11	7	13
1893	34.8	74	3	2.52	4.8	11	9	9	13
1894	43.2	84	−2	1.63	1.3	8	12	11	8
1895	33.8	70	−4	2.31	9.0	11	10	10	11
1896	30.6	69	−18	4.51	21.1	11	11	8	12
1897	39.0	75	−5	3.22	3.4	13	11	7	13
1898	44.0	83	4	4.31	3.6	12	10	8	13
1899	36.3	75	3	4.87	7.9	14	5	9	17
1900	31.2	66	−23	3.61	13.1	10	10	9	12
1901	37.4	80	−11	4.14	3.3	13	7	10	14
1902	41.3	78	2	3.98	12.6	11	10	9	12
1903	46.4	83	14	4.52	0.1	11	10	7	14
1904	36.0	80	−2	4.29	4.7	12	9	8	14
1905	39.0	86	−18	3.86	4.1	11	12	8	11
1906	31.7	68	−13	4.46	20.4	14	8	7	16
1907	41.8	92	−10	4.26	9.3	12	11	8	12
1908	40.7	83	−4	4.76	3.7	12	11	8	12
1909	35.6	74	−5	3.07	7.3	12	10	9	12
1910	44.9	88	5	0.56	1.0	5	15	10	6
1911	35.0	73	−18	2.57	10.1	13	11	8	12
1912	33.6	72	−8	5.05	6.9	13	10	8	13
1913	42.1	81	−7	5.27	2.1	13	9	8	14
1914	34.2	79	−12	2.61	13.4	10	10	8	13
1915	32.9	62	−4	1.28	9.5	7	15	8	8
1916	30.7	84	−31	4.12	17.6	12	12	8	11
1917	37.3	84	−12	3.68	12.7	14	11	8	12
1918	41.6	82	0	2.34	1.5	8	17	7	7
1919	41.1	79	6	3.57	2.4	10	15	7	9
1920	38.7	80	−11	2.83	6.4	9	16	7	8
1921	48.0	88	7	3.33	1.0	14	12	9	10
1922	40.0	81	−5	4.37	6.1	14	11	6	14
1923	37.0	80	−8	2.49	6.2	11	13	8	10
1924	36.1	78	3	2.83	10.3	9	12	9	10
1925	40.9	79	−15	2.56	2.2	10	14	6	11
1926	33.1	79	−16	1.91	4.0	10	14	8	9
1927	42.0	82	−6	2.61	0.7	10	13	7	11
1928	37.0	82	−3	3.24	14.5	11	12	9	10
1929	43.7	89	−5	2.69	4.4	12	12	8	11
1930	37.9	78	−9	3.03	4.9	10	13	7	11
1931	36.3	69	10	2.96	6.6	11	8	7	16
1932	33.4	72	−8	4.41	14.7	11	10	8	13
1933	36.6	79	−7	5.33	5.6	14	8	7	16
1934	34.9	78	−22	2.96	7.7	12	12	7	12
1935	42.8	83	−6	2.62	2.9	12	11	7	13
1936	42.6	84	−3	6.84	7.4	15	9	7	15
Period	37.7	92	−31	3.54	7.7	11	11	8	12

Climatological Data for March, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	44.0	+5.6	74	30	14	2	36	5.97	+2.57	1.33	2.0	17	12	4	15	ne.	John A. Frick.
Altoona	Blair	1,615	49	40.5	+2.9	73	30	13	2†	36	9.50	+6.22	4.10	7.0	15	12	7	12	w.	John J. Martin.
Ardmore	Montgomery	350	16	46.4	+4.9	78	30	17	2	34	5.85	+1.87	1.55	0.5	12	5	9	17	......	H. L. Balderston.
Arendtsville	Adams	700	14	41.7	+2.1	71	25	13	2	34	4.87	+1.10	1.41	3.5	11	14	2	15	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	44.0	....	78	30	12	2	43	9.57	....	4.00	5.0	12	9	2	20	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	46.2	+5.5	75	30	15	2	33	6.36	+3.12	1.55	2.4	16	13	2	16	e.	Lehigh University.
Carlisle	Cumberland	467	70	44.6	+6.0	76	30	7	2	35	6.13	+2.82	1.06	5.5	11	10	7	14	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	44.0	+5.5	75	30	10	2	38	5.63	+2.34	1.25	6.3	13	9	9	12	......	W. L. Gearhart.
Center Hall	Center	1,272	40	41.1	+4.6	72	29	10	2	36	9.26	+6.23	2.75	9.5	12	14	5	12	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	45.2	+5.5	76	30	13	2	35	6.48	+3.21	1.38	1.8	11	7	11	13	ne.	William B. Spear.
Clearfield	Clearfield	1,120	29	38.8	+1.3	74	30	10	2†	44	9.42	+5.74	2.40	15.0	16	2	10	19	w.	E. W. Hess.
Coatesville	Chester	380	49	45.2	+5.3	75	30	17	2	37	7.06	+3.04	1.70	0.5	13	7	3	21	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	42.6	+3.3	73	30	8	2	39	6.47	+2.64	1.27	6.1	17	10	3	18	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	C. E. Koppenheffer
Ephrata	Lancaster	380	44	46.4	+6.3	77	30	18	2	40	6.18	+2.85	1.23	1.4	11	7	5	19	ne.	Ira J. Keath
Freeland	Luzerne	1,970	43	39.8	+6.8	65	30	10	6	26	7.78	+3.41	1.78	6.4	16	6	7	18	nw.	Andrew B Evansha.
George School	Bucks	190	30	46.2	+5.5	75	30	17	2	36	4.04	+0.36	0.80	0.2	14	15	6	10	se.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	46.4	+6.2	75	30	15	2	34	5.03	+1.51	1.14	2.7	13	8	7	16	w.	Dr Henry Stewart
Gordon	Schuylkill	840	32	42.6	+5.7	72	30	6	2	43	7.82	+3.93	1.90	10.0	15	14	6	11	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	34.7	+4.2	60	25†	−3	2	34	8.16	+4.40	2.55	5.0	13	17	3	11	w.	Ronald H. Marshall.
Hamburg	Berks	535	43	44.8	+6.3	75	30	15	2	39	5.82	+1.95	1.25	3.0	10	4	15	12	sw.	State Sanatorium.
Hanover	York	600	32	47.1	+4.7	76	30	19	2	33	5.69	+2.38	1.20	3.5	13	11	7	13	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	45.2	+6.3	73	30	16	2	28	6.61	+3.57	1.65	4.8	12	4	10	17	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	18	40.8	+5.6	72	30	−1	2	42	7.52	+4.62	1.61	3.3	16	15	5	11	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	45.2	+3.8	72	30	19	2	29	5.22	+2.20	1.40	0.7	11	9	7	15	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	49	42.4[b]	+3.6	76[b]	30	7[b]	2	51[b]	8.32	+4.86	2.87	4.0	11	9	7	15	e.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	44.9[a]	+4.5	78[a]	30	14[a]	2	45[a]	10.04	+6.78	......	T.	12	13	4	14	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	37.4	....	71	30	9	6	34	9.15	....	4 27	12.6	19	3	6	22	......	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	45.0	+5.4	75	30	14	2	41	6.60	+3.28	1.88	T.	12	11	11	9	s.	Supt. of Water Works
Lawrenceville	Tioga	1,000	39	38.2	+3.4	72	25	3	2	42	6.46	+4.16	1.40	11.5	12	8	7	16	...	C. P. Darling.
Lebanon	Lebanon	469	52	44.7	+5.4	75	30†	16	2	38	6.67	+3.19	1.27	1.5	14	13	6	12	se.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Joseph Beaver.
Marcus Hook	Delaware	50	10	50.6[a]	+6.1	74[a]	29	23[a]	1	30[a]	5.09	....	1.01	0	15	19	2	10	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	42.3	+4.9	75	30	6	2	44	8.34	+4.18	1.61	5.7	13	9	6	16	s.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	38.2	+6.0	68	31	8	7	29	8.71	+5.15	2.60	7.0	14	10	4	17	e.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	39.6	+4.2	70	30	2	2	36	7.22	+4.19	1.51	6.0	14	14	5	12	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	45.1	+5.7	78	30	15	2†	40	5.29	+1.54	1.31	0	14	17	2	12	ne.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	42.6	+4.9	73	30	9	2	38	7.50	+4.46	1.41	4.3	12	9	11	11	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	48.3	+7.5	75	30	24	2	28	4.02	+0.63	1.14	T.	14	5	9	17	s.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	47.9	+6.7	77	30	19[c]	8	41	6.76	+3.12	1.62	2.3	12	5	16	10	s.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	43.9	+6.5	73	30	11	2	38	6.57	+2.78	1.39	2.2	14	14	7	10	s.	John E. Benner.
Reading	Berks	273	66	46.1	+6.1	74	30	16	2	31	4.77	+1.25	0.89	2.4	17	5	10	16	se.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	42.8	....	76	15	7	2	46	5.31	....	1.07	3.0	15	14	8	9	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	43.4	+7.7	74	30	13	2	35	5.25	+2.05	1.28	1.7	17	3	13	15	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	43.2	+4.6	71	30†	4	2	39	6.70	+3.18	1.70	5.0	14	6	11	14	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	47.1	+4.2	74	30	19	2	34	5.15	+1.68	1.25	T.	15	6	13	12	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	State Teachers College
State College	Center	1,217	52	41.1	+4.9	73	30	8	2	37	8.86	+5.52	2.10	14.7	14	7	12	12	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	39.2[e]	+2.8	70[f]	20	4[e]	2	33[f]	8.91	+5.40	2.84	2.0	10	11	8	12	ne.	State Normal School.
Towanda	Bradford	754	42	40.5	+5.4	69	29	7	2	42	6.99	+4.40	1.79	4.0	19	3	12	16	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	36.8	+3.8	70	29	0	2	46	7.13	+4.47	1.38	14.0	15	11	5	15	nw.	George W. Hill.
West Chester	Chester	455	87	46.8	+7.7	75	30	17	2	35	7.54	+3.71	1.64	1.5	15	6	9	16	sw.	Harlan Saylor.
Williamsport	Lycoming	521	50	42.1	+4.5	74	29†	8	2	44	8.95	+5.73	1.87	5.0	17	7	6	18	e.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	21	43.6	+4.4	72	30	13	2	32	7.25	+3.98	2.10	8.0	10	6	9	16	se.	Susquehanna Collieries Co
York	York	400	48	46.1	+5.4	78	30	13	2	43	5.27	+2.16	1.00	T.	12	11	11	9	se.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	44	44.6[b]	+4.0	75[b]	30†	13[b]	6	41[b]	......	....	......	4.5	18	9	3	19	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	46	36.4	+2.7	72	31	9	6†	44	8.43	+5.18	2.61	9.5	21	3	11	17	......	Frank S. Fawcett.
Butler	Butler	1,077	23	41.6	+3.6	74	29†	10	6	40	7.83	+4.39	1.60	18.0	13	14	10	7	nw.	William C. Faust.
Chambersville	Indiana	1,047	35	43.0	+4.2	79	30	11	6	44	7.53	+3.78	2.86	8.5	18	12	2	17	w.	John E. Lewis.
Clairton	Allegheny	1,020	4	43.3	......	79	30	14	6	37	7.05	....	1.72	11.1	19	7	5	19	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	44.2	+3.1	78	30	17	6	45	6.98	+3.65	1.84	13.0	21	13	7	11	nw.	J. L. Melvin.
Corry	Erie	1,430	23	35.9	+3.0	67	27	4	6	47	10.02	+6.04	2.93	41.0	16	13	9	9	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	43.4	+3.6	76	30	16	6	37	9.11	+5.25	3.21	9.0	19	14	5	12	w.	Ted R. Wineman.
Donora	Washington	762	10	44.6	+2.6	73	29	20	6	33	6.96	+3.21	2.05	7.2	19	5	7	19	......	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	41.0	+4.9	72	30	11	6	42	7.44	+3.80	2.13	12.3	15	10	8	13	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	38.3	+2.1	74	30	13	7	38	8.65	+4.34	3.93	14.0	10	12	3	16	w.	J. S. Stevanus.
Franklin	Venango	957	62	38.0	+2.4	75	27	11	6	47	5.06	+1.71	1.10	22.5	13	12	1	18	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	44.2	+4.1	84	29	16	6	46	7.45	+4.03	2.78	7.7	20	6	10	15	sw.	Westmoreland Water Co
Greenville	Mercer	950	40	38.0	+1.5	66	30	12	6	35	6.03	+2.66	2.25	......	16	9	3	19	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	41.2	+3.8	73	16	10	6	43	3.01	−0.31	0.50	16.5	19	5	10	16	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	43.4	+3.5	75	30	15	6	41	8 03	+4.81	2.00	8.0	20	13	5	13	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	......	......	......	......	......	......	......	7.03	+2.53	3.20	......	......	......	......	......	......	Robert Tross.
Kane (near)‡‡	Elk	2,020	4	36.2	......	64	27†	6	6†	36	8.62	....	2.47	16.0	19	5	5	21	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	44	43.2	+3.7	74	30	15	6	40	8.43	+4.50	3.00	10.8	18	3	8	20	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	39.1	+4.1	67	27†	10	6	45	5.35	+1.97	1.34	19.0	16	8	7	16	w.	Ass'd Gas & Electric Co.
New Castle	Lawrence	808	56	39.2	+2.3	75	31	12	6	42	4.63	+1.59	1.16	20.5	19	4	16	11	s.	New Castle Water Co
Newell	Fayette	800	16	43.5	+1.7	74	31	22	1	41	5.63	+2.52	2.38	6.0	14	7	10	14	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	42.2	+2.6	75	30	15	6	33	5.88	+2.85	1.80	9.6	18	4	8	19	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	......	......	......	......	10	6	......	......	......	......	......	......	......	......	......	......	West Penn. Power Co.
Sharon‡‡	Mercer	940	23	40.4	+2.8	71	30†	13	6	39	3.45	+0.69	0.86	11.0	14	6	8	17	se.	Harry H. Gerber.
Somerset	Somerset	2,190	69	40.0	+4.1	74	30	15	6	40	8.51	+3.79	3.55	13.4	17	7	6	18	sw.	D. L. Grove.
Uniontown	Fayette	1,100	48	44.6	+3.2	77	30	20	6	35	8.29	+4.30	2.45	11.8	21	10	10	11	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	......	......	......	......	15	6	......	......	......	......	......	......	......	......	......	......	Amer. S. & T. Plate Co.
Warren	Warren	1,180	47	37.4	+2.9	62	28†	10	6	27	5.44	+2.12	1.18	26.6	23	9	1	21	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	44.0	....	75	30†	19	6	41	5.99	....	1.22	6.0	16	1	13	17	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	37.7	+4.2	68	27	12	6	25	3.80	+1.18	1.61	20.4	16	6	8	17	w.	U. S. Weather Bureau.
For the State	......	......	49	42.6	+4.9	84	29	−3	2	51	6.84	+3.30	4.50	7.4	15	9	7	15	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters. [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-4-30-36-1150.

Daily Precipitation for March, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
llantic Drainage.																																	
llentown‖‖	Lehigh			.23			.04					.16	1.30	.45	.02			.52	1.33	.21	.22	.36	.22		.06	.02		.32	.50			.01	5.97
ltoona	Juniata		.10	.20	T.					T.	.11	.47	.39	.25	.10	T.	.65	4.10	1.18	.65		.58			.04			.66				.02	9.50
nsonia‖‖	W. Br. Susq			.22						T.	.07	T.	1.53	.57	.01	T.	.51	1.21	2.23	.65	.31		T.		.11	T.		.10	.01			.27	7.83
rdmore	Lower Del		.14			.05						1.55	.22	T.				1.00	.59	.15	.12	.68	.01					1.20	.14			T.	5.85
reudtsville	Lower Susq			.22									1.41	.68				.15	.50	.16	.23	.47				.08		.50	.17				4.87
aker's Summit	Juniata		.19	.08							.05	.67	.60			.14	.25	4.04	2.24	.72		.43			.20			.45					10.06
edford	Juniata		.20	.10				T.		T.	.50	.40	.53	T.	T.		.17	4.00	2.10	.33		.39		T.	.44			.41				T.	9.57
ellefonte	W. Br. Susq		.08	T.		T.			T.	T.	T.	.95	.58	T.	T.	T.	.55	1.52	1.43	1.37		.57		T.	T.			.17			T.	T.	7.17
ethlehem	Lehigh		T.	.27		.04						.70	.76	.15	T.			.79	1.55	.45	.11	.56	.01		.06	.01		.67	.21			.02	6.36
loserville‡‡	Lower Susq		.10									*	2.22					1.65	.40	.65					.40			.55					5.97
uffalo Mills‖‖	Juniata			.20							.10	.35	.45	.30				1.00	4.50	.60		.56			T.	.40		.39					8.85
arlisle	Lower Susq		T.	.43		T.					T.	1.02	1.06	.02				.56	1.01	.63		.73		T.	.09	T.		.50	.08				6.13
atawissa‡	N. Br. Susq		.18									1.08	.81	.04			.20	1.25	.28	.58		.65		.12	.02			.40		.01	.01	T.	5.63
enter Hall	Susquehanna		.28							.18	.02	.36	1.50				.40	2.75	.75	2.25		.65	.02								.10		9.26
hambersburg	Potomac		T.	.11		.03		T.		T.		1.38	.83					1.33	.77	.45		.36			.23			.74	.25				6.48
learfield	W. Br. Susq		.12	.10	T.	.15				.17	.05	.60	.43	.16	.17		.90	2.40	1.60	1.60	T.	.20		T.	T.			.70				.07	9.42
oatesville	Lower Del		.03	.20		.05					.03	1.70	.80					.41	1.55	.18		1.05		.02				.78	.26				7.06
olebrook	Lower Susq		*	.21		.03		T.			.08	1.23	.97	T.	T.		.12	.53	1.27	.33	.02	.69		.02	.04			.78	.13			.02	6.47
onshohocken	Schuylkill			.10		.05					.01	.68	.49	T.				.06	.74	.11	.03	.63	.03					.78	.40				4.11
oylestown	Lower Del			.15		.11				T.		1.06	.50	.03				.13	1.32	.16	.02	.60	.02		T.	T.		.69					4.79
mporium	W. Br. Susq																																
phrata	Lower Susq			.16		.04						.76	1.23	.02			T.	.50	1.23	.45	T.	.83			T.			.81	.15			T.	6.18
orest City	N. Br. Susq			.18							.02	.20	.86	.04	.12			.20	3.01	.50	.77	.52	.41		.07	.02		.35			.07	.06	7.40
reeland‖‖	Lehigh			.16		T.				T.	.02	.19	1.69	.63	.05			.81	1.78	.52	.48	.47	.39	T.	.06	T.		.18	.30			.05	7.78
aleton	W. Br. Susq																																
eorge School	Lower Del			T		T.					.02	.80	.69	.01				.08	.79	.11	.04	.32	.07		.04	.01		.66	.40	T.			4.04
ettysburg	Potomac	.05		.24	T.	.07		T.			T.	.82	1.14	.03			T.	.08	.63	.58		.69			.03	T.		.56	.11				5.03
irardville‖‖	Lower Susq		.36								.10	1.53	.38	.17	.02		.80	1.71	.68	.12	.43	.56		.10	.05		.16	.24				.01	7.42
ordon	Lower Susq			.26							.02	.85	1.85		.02	T.	.05	.66	1.90	.60	.08	.89	.09	T.	.08			.39	.08			T.	7.82
ouldsboro‖	Lehigh			.20								.50	2.00	.10	.10			1.50	2.55	.40	.25		.10		.16				.25			.05	8.16
raterford	Schuylkill		.21			.03						1.12	.33					.19	1.39	.62	.07	.37	.04	.02	.04	T.		.43	1.31				6.17
amburg	Schuylkill		.07	.17								.81	1.25	T.				.83	1.15			.44			.03			.95	.12				5.82
anover	Lower Susq	.07	T.	.27		.02		T.				.81	1.17	.05		T.		.13	.77	.43		1.20			.01			.51	.25				5.69
arrisburg***	Lower Susq		.33			.02				T.	.11	1.65	.59	T.	T		.29	1.24	.33	.53	.18	.48		T.	T.			.86				T.	6.61
awley‖‖	Upper Del			.19		.03				T.	T.	.09	.97	.35	.04	.03		1.41	1.61	.93	.62	.54	.15			.10		.23	.23			T.	7.52
ollisterville	Upper Del			.28	T.	.01	.04				.02	.04	1.20	.36	.05	T.		1.44	2.00	.70	.66	.31	.56		.06	.08		.18	.28	T.			8.27
oltwood‖	Lower Susq	.30		.17		T.						1.40	.40	.37				.34	.48	.13		.82	.03		T.			.78					5.22
untingdon	Juniata		.26	T.						T.	.04	.60	.75		.09		.54	2.87	.98	1.17					.52			.50					8.32
yndman	Potomac		2.02	.02						.03	.04	.10	1.05	T.	.03		.04	*	5.18	.11					1.41								10.03
ylertown***	W. B. Susq	T	.05	.02	.01	T.	T.	T.	.02	.07		.66	.56	.11	.17	T.	1.01	4.47	.60	.51		.35		.06	.02			.43		.01	.02	T	9.15
akeville‖‖	Upper Del	T.	.21	T.	T.	.03	T.	T.	T.	T	.10	1.32	.33	.08			1.60	1.76	.78	.67	.53	.26			.09		.17	.19				.01	8.13
ancaster	Lower Susq	T.	.13			T.						.86	1.88	.12				.35	1.45	.22	.01	.60			.02			.73	.23				6.60
ansford‖‖	Lehigh			.36								.26	2.04	.45	.04	T.		.87	2.39	.71	.42	.47	.10		.09	T.		.33	.37			T.	8.90
awrenceville	N. Br. Susq		T.	.05						T.		.18	1.00	.10	.05		.85	1.40	1.10	.73	.25	.45		T.	T.			T.			.30		6.46
ebanon	Lower Susq		.17			T.	T.			T.	.10	1.58	.48				.50	1.27	.48	.20	.67	.05		.01	.07		.62	.47			T.		6.67
ehighton‖‖	Lehigh			.38			T.					.26	.46					.96	2.11	.57	.50	.47	.16					.47	.45				6.79
ock Haven	W. Br. Susq																																
arcus Hook	Lower Del	*		.21			.06				*	*	1.20	.23				.05	1.01	.26	.05	.43		.18	T.			1.10	.31				5.09
atamoras‖‖	Upper Del			.23								.26	.98	.16				.29	1.65	.73	.30	.84				.13		.21	.52				6.30
auch Chunk	Lehigh		.29	.12								1.22	1.01		.05		.08	1.61	1.51	.94		.54		.08	T.			.80	.09				8.34
ontrose	Susquehanna			.10		.10				T.		.19	.64	.20	.10	.02	.03	.94	1.56	.61	.09	.41				.04		.46				.30	5.79
orris Run	N. Br. Susq		.10	.04						.09	.04	.84	1.41	.10	T.		1.18	1.34	1.73	.78	.08	.66		.03	.12			.23			.47		9.24
ount Pocono	Upper Del		T.	.40						.10	.16	.26	.04	T.		.10	.10	2.60	2.60	.90	1.10		.10			.16	.09						8.71
uncy Valley	W. Br. Susq			.27		.12				T		.41	1.51	.22	T.	.09	.18	.87	1.46	.27	.15	.76	T	T.	.22			.69				T	7.22
eshaminy‖‖	Lower Del	T.	.03	.02		.20					.10	1.31	.35	T.				.59	.73	.13	.10	.53		T.	.05			1.03	.12				5.29
ew Park	Lower Susq			.16							.03	1.93	.52	.03			.06	.87	.43	.77								.94					5.74
ewport‖‖	Juniata			.37		T.					.02	.20	1.00	.70		.12		.80	1.15			.82	.10					.30	.15			.05	5.78
almerton‡	Lehigh		.32			.02					.03	1.41	.60				.57	1.30	.90	.77	T.	.54		.10				.94					7.50
aupack‖‖	Upper Del		.23									.15	1.35	.38	.04		*	1.75	1.92	.95	.72	.70	.16		.02	.08		.10	.25			.01	8.81
hiladelphia***	Lower Del		.07	.02		.06					.01	.80	.35	T.				.22	.57	.13	.15	.49	.01		T.			1.06	.08			T.	4.02
hila. Navy Yard‖‖	....do			.06			.05					.25	.73	.34	T.			.01	1.04	.04	.06	.06	61		T.			.19	1.37				4.81
hila-P'nt Breeze.‡	Lower Del			.12		.10					.01	.76	.40	T.	T	T	T.	.05	1.11	.10	.05	.47		T.	T.	T.		1.07	.29				4.53
hoenixville	Schuylkill	T.		.23		.07					.01	1.38	.83	T	T.			.48	1.62	.20	T.	.70	.08		T.	T.		.81	.35				6.76
ine Grove	Lower Susq		.40			.02		.01		.01	.02	1.96	.60	T.			.50	1.18	.50	.20	.20	.68			.06			.85				.01	7.20
leasant Mt.‖‖	Upper Del			.45		.28						1.24	.47	.30	.07	.10		*	3.21	1.44	.63	.56			.11				.90				9.76
ottstown	Schuylkill		T.			T.					.02	.90	.35	.02			.35	.55	.38	.74	.10	.43		.01	.01			.65				T.	4.51
ottsville	Schuylkill		T.	.27		T.					T.	.88	1.48	.04	.03			1.10	2.00	.56	.12	.84	.08	T.	.10			.68	.09				8.27
uakertown	Lower Del			.24		.04						1.31	.62	.06	T.			.55	1.89	.12	.06	.92	.09		.06			.82	.29				6.57
eading***	Schuylkill		.22			.01		.02		T.	.01	.86	.38	.03			.32	.61	35	.73	.11	.42		.02	.01			.66				.01	4.77
enovo‖‖	W. Br. Susq			.23		.02					.12	.15	.55	.64	.04	.04	.23	1.02	3.27		.20	.18			.13	.04		.24	.10				7.20
etreat	N. Br. Susq		.02	.17		.05						.25	.98	.25	.21	.13		.30	1.07	.68		.31			.17	.08		.64					5.31
ranton***	....do		.10	.02	T	.02	T.			.01	T.	.26	.40	.05	.05	T.	.66	.74	.75	.65	T.	.91	T.	.07	.06			.47				.03	5.25
elinsgrove	Lower Susq		.02	.02								.21	1.15	.12	.05		.03	1.36	1.70	.63		.85			.11			.40				.05	6.70
hawmont	Schuylkill	.01		.20		.07					.03	1.20	.48	T.				.07	1.06	.11	.04	.60	.02		.01	T.		.92	.33				5.15
hippensburg	Lower Susq																																
tate College	W. Br. Susq	T.	.21	.08				T.		T.	.05	.95	.69	T.	.05	T.	.43	2.10	1.65	1.32	T.	.64		T.	.03	T.		.58			.08	T.	8.86
troudsburg‖‖	Upper Del			.21			T.				.08	.32	.56				.35	2.25	2.84	1.83	.31	.16											8.91
unbury‖‖	Lower Susq			.41							T.	.02	.87	.43		T.	T.	.81	.73	.87					.11	T.		.16	.09			.02	§
usquehanna‖‖	N. Br. Susq																																
owanda	....do		.10	.01		.08	T.		T.	.08	.05	.47	.94	.08	T.	T.	.86	.97	1.79	.61	.03	.64	T.	T.	.08	.01		.04		T.	.12	.03	6.99
eikert	Lower Susq			.28						.10		2.10	.65					1.36	2.00	.60	.60						.54		.04	.04			8.17
ellsboro	W. Br. Susq		.10	.06		T.				.02	.05	.73	.95	.15	T.		1.05	1.38	.93	.87	.07	.30	T	T.	T.			.17			.30		7.13
est Chester	Lower Del			.18		.06		T.			.01	1.50	1.37	.03				.35	1.64	.19	.02	.86	.03		.01			.90	.39				7.54
estgrove‖‖	....do	.03	.25			.05						.16	1.68	.25				.13	1.36	.14	.13	.70	.24					.28	.87				6.27
ilkes-Barre‖‖	N. Br. Susq			.09		.03				T.	T.	.05	.59	.38	.02	.03		.56	.92	.69	.36	.23	.02		.15	T.		.20	.17			.03	4.52
illiamsport‖‖	W. Br. Susq			.35		.09				T.	.05	.10	1.87	.79		.12	.15	1.53	1.62	.50	.30	.74	.15		.17	T.		.31	.11				8.95
illiamstown	Susquehanna		T.	.19		T.		T.			T.	.68	1.58			T.		.45	2.10	.66	.10	1.03			T.			.39	.07				7.25
ork	Lower Susq	.05		.19		.03					T.	.79	.92	.02				.18	1.00	.38		1.00			T.			.52	.19				5.27
ork Haven‖‖	Lower Susq	.05		.25			.01					.14	.86	.63				.22	.58	.39	.28	.70	.19					.42	.38				5.10
ionsville..(near)	Schuylkill			.65		.03						.24	.22	.15				.21	2.06	.24	.06	.82	.02		.05			1.02	.03				5.80
renton, N. J***	Lower Del		.03	.04		.07					T.	1.02	.30	T.		T.	T.	.17	.72	.09	.03	.40	T.	.03	.01			.79	.08				3.78

Continued on page 14.

Daily Precipitation for March, 1936—Continued from page 13

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio			.52		T.			T.	.02	.06	T.	.31	.06	T.	.13	.77	.95				.36	.05	T.	.19	01		.39	.01		.26	.10	§
Beaver Falls‖‖	Beaver			.55		.01	T.			.04	.05	T.	.25	.12	T.	.15	.55	1.23	.88	.31	T.	.47	.05		.21	.01		.40			.23	.09	5.60
Bradford	Allegheny		.05	.07					.10	1.02		.22	.46	.10	.10		.16	2.75	.38	.55		.34	.02		.18			.36			.42	.08	7.36
Brookville	do			.42		.04	T.			.20	.09	.07	.60	.22	.10	.16	.81	1.62	2.61	.20	.03	.16	.05		.39	.03		.52			.09	.02	8.43
Butler	Ohio		.58		.02					.12			.41	.30	.22	*	1.15	1.60	1.50			1.01						.57		.35			7.83
Chambersville	Allegheny		.25	.08		.10			T.	.12		.55	.30	.10	.11	.10	.96	2.86	.84	.26		.31			.03			.34			.18	.04	7.53
Clairton‡	Monongahela		.51	T.					T.	.07		.48	.04	.01	.06	.07	.79	1.72	.23	1.31	.25	1.03	T.	.02	.01		.02	.38		.04		.01	7.05
Claysville	Ohio	.01	.31	.15		T.	T.	.04	T.	.04	.02	.25	.37	.01	.04	.06	1.08	1.84	.47	.32	T.	.88		.02	.14			.58			.25	.10	6.98
Confluence‖‖	Youghiogheny			.54				.08			.18		.52				.18	1.82	1.95	.27		.58	.10		.35	.38		.70				.15	7.80
Corry	Allegheny		.18						.31	.22		.35	.17	.29	.11	.02		2.93	2.24	.37	.45					.40		1.64			.15	.19	10.02
Derry	Conemaugh		.60	.05				T.		.06	.12	.61	.32	.06	.09	.08	1.00	3.21	1.22	.26	.02	.65		.02	.05			.59				.10	9.11
Donora‖‖	Monongahela		.25	.23				.02		T.	.07	.14	.41	.02		.10	.68	2.05	.86	.43	.01	1.05		T.	.12	.02		.39	T.		.04	.07	6.96
Ebensburg	Conemaugh	T.	.22	.01						T.	.27	.28	.50	.03	.15		.75	2.13	1.38	.32		.68			.05			.61				.06	7.44
Elk Lick	Youghiogheny										.10		.20		.20		.20	3.93	.50	.30		1.10			1.34			.50				.28	8.65
Franklin‖‖	Allegheny			.31						.43	T.		.58	.12		.26	.27	.84	1.10			.31	.08		.30			.28				.18	5.06
Greensboro‖‖	Monongahela	.02		.56				.06		T.	.10	.04	.56	.10	.01	.03	.10	2.17	1.34	.36	.09	1.20	.18		.10	.35		.41				.06	7.84
Greensburg	Youghiogheny		.40	.10		T.		.01	T.	.05	.06	.57	.21	.06	.03	.07	1.02	2.78	.84	.20	.01	.44		.01	.07			.50			.02	T.	7.45
Greenville	Beaver		.17						.05	.85		.05	.13	.05	.15			2.25	.50	.26		.45		.25	.42			.29			.01	.15	6.03
Grove City	do		.14						.03	.25		.15	.10	.04	.02	.07	.24	.40	.50	.09		.30	.04	.18	.25			.03	T.	T.	.09	.09	3.01
Herrs Isl. Dam‖‖	Ohio	T.		.60		.05	T.	T.		T.	.06	.06	.27	.03	T.	.09	.50	1.89				.77	.14	T.	.10	.04		.52			.16	.01	§
Irwin	Monongahela		.45	.25				.28	T.	.10	.02	.40	.28	.14	.06	.08	.96	2.00	.94	.36	T.	1.02	.01	.04	.08			.45				.11	8.05
Johnstown	Conemaugh			.45					T.	T.	.24	.03	.30	.20	.04	.12	.08	1.43	3.20	T.		.30	.10		.05	.15	.18		.16				7.03
Kane (near) ‡‡	Allegheny		.16	.26			T.		.12	.34		.43	.37	.40	T.	T.	.63	2.47	.69	.29	.07	.57	.02	T	.31	.01		.72		T.	.65	.11	8.62
Kregar‖‖	Youghiogheny		.47				.01		T.	.26	.04	.49	.18	.08	.14	.09	2.06	2.65	.64	.06	.36	.21		.03	.16		.55	.04		.02	.11		8.65
Lake Lynn‖‖	Monongahela	.01		.56				.08			.14	.01	.66	.11		.01	.06	2.00	1.32	.32	.10	1.12	.25		.01	.03		.42	.02			.18	7.41
Linesville‖‖	Beaver		.17						.21	.39		.21		.11	.27	.14		.17	.41	.24		.39		.09	.56			.21			.39	.44	4.40
Lock No 2‖‖	Ohio			.47		.09	T.	T.		T.	.03	.01	.32	.03	.01	.12	.84	1.74							.04	.04		.50			.13	.05	§
Lock No. 4‖‖	Monongahela	T.		.68				.03			.10	.11	.43	.12	T.	.05	.33	1.98	.80	.41	.03	.72	T.		.08	.03		.51			.03	.07	6.51
Lock No. 5‡‡‖‖	Allegheny			.60		.11	T.				.10	.05	.45	.06	.02	.13	.66	1.87	1.46	.31	.04	1.07	.23		.10	.04		.55			.23	.07	8.15
Lycippus	Conemaugh		.65							.03	.10	.51	.40	.06	.13	.05	1.00	3.00	1.07	.23	.03	.53		.03	.06	T.		.47				.08	8.43
McKeesport‖‖	Monongahela			.46							T.	.06	.35	.01		.06	.35	1.81	*	*	1.41	1.00	.01		T	T.		.34			.01	.01	5.88
Meadville	Allegheny		.12	.03					.15	.90		.04	.18	.13	.12	.05		1.34	.49			.26		T.	.65			.25			.38	.26	5.35
Mosgrove‖‖	do			.55		.10				.05	.11	.05	.57	.12	.07	.10	.67	1.47	2.29	.05	.07	.17			.12	.04		.69	T.	T.		.06	7.35
Mount Lebanon	Ohio		.60	T.	T.	T.	T.	T.		.03		.23	.04	.04	.10	T.	1.00	2.75	.37	.02	.28	.75		.02	.09			.39		.04		.01	6.76
Natrona‖‖	Allegheny			.46		.15				.04	.06	.08	.52	.14	.02	.22	.56	1.68	1.64	.26	.06	1.05	.16		.10	.03		.50			.21	.07	8.01
New Castle‖‖	Beaver			.20		T.	.01			.16	T.	.03	.17	.07	.01	.29	.23	1.16	.64	.14	.01	.44	.02		.58	T.		.24			.13	.10	4.63
Newell	Monongahela		.14	.44						.02	.12	.10	.40	T.				2.38	.44	.30	T.	.60		T.	.12	.08		.43				.06	5.63
Parkers Landing‖‖	Allegheny	T.		.30		T.	T.			.31	T.	.08	.56	.08	.18	.30	.93	1.53	2.14	.22	T.	.60	.12		.58	T.		.42	.02		.09	.08	8.54
Pennline‖‖‡‡	Beaver			.19						.30			.34	.03	.03	.23	T.	.61	.55	.17		.20	.05			.63		.23				.76	4.32
Pittsburgh***	Ohio	T	.59	T.	T.		T.	T.	T.	.05		.44	.05	.01	.10	.04	.91	1.78	.37	.07	.20	.64		.02	.05	T.		.48		.02	T.	.06	5.88
Punxsutawney‖‖	Allegheny																																
Ridgway	do			.26	T	.03				.21	.06	.04	.59	.35	.03	T.	.63	1.35															§
Saltsburg‖‖	Conemaugh			.70			.02				.01	.08	.10	.70	.16		.53	2.50		.20	2.10	.42			.03		.55	.50		.07		.05	8.72
Sharon‖‖	Beaver			.19						.49	T.		.29	.07	T.	.12	.07	.40	.20	.25		.12	T.		.86			.21			.03	.15	3.45
Smethport‖‖	Allegheny		.05	T.	T.		T		.05	.04	T.		.30	.05	.02	.25	.55	.75	2.70	.50	.13	.25	.02		.15	.16	.24	T.			.04		6.25
Somerset	Youghiogheny		.15	.10				.04		.03	.22	.29	.28	.15	.18		.47	3.55	1.05	.13		.84			.46			.53				.04	8.51
Springdale‖‖‡‡	Allegheny			.65		T.	T.			T.	.05	.06	.46	.02	T.	.16	.52	1.44	1.60	.08	.05	.50	.05		.09	.06		.45			.10	.06	6.40
Uniontown	Monongahela	.02	.43	.16			T.	.07	T.	.05	.09	.53	.26	.07	.05	.03	.80	2.45	.74	.24	.02	1.32		.03	.37			.43				.13	8.29
Unity Reservoir‡‡	Youghiogheny	T.	.24	.11						.09	.07	.45	.35	.07	.03	.04	1.05	2.35	1.05	.25	.01	.51		T.	.10			.53				.11	7.41
Vandergrift‡	Conemaugh		.40		.11					.04		.42	.20	.02		.22	.61	1.93															§
Warren	Allegheny		.10	.10		.04			.20	.31		.34	.40	.26	.03	.09	.14	1.18	.06	.10	.05	.80		.05	.15	.08	.25	.15			.50	.06	5.44
Waynesburg	Monongahela		.33	.39				.10		.11		.29	.07	T.		.08	1.04	1.22	.10	.83	.04	.72			.31			.30				.06	5.99
Westford‖‖	Beaver		.12						.80			.24	.06	.10	.15		.40	.60	.50	.42	.47	.31	.20	.80			.28				.65		6.10
West Newton‖‖	Youghiogheny			.40				.32			.08	.08	.46	.05		T.	.30	1.62	.55	.62		.63	.09		.06			.40				.03	5.39
Lake Drainage.																																	
Erie***	Lake Erie	T.	.08	T.		T.	T.		.01			.24	.04	.08		.06		1.58	.14	.06	T.	.26		.22	.12			.30		.01	.54	.06	3.80

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete r missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, inesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.88	30.39	1	29.38	13	14.0	38	se.	27	78	76	75	44
Harrisburg	29.88	30.35	8	29.11	21	8.3	30	nw.	22	75	61	66	40
Philadelphia	29.91	30.41	8	29.07	21	12.9	41	se.	17	77	64	67	53
Pittsburgh	29.87	30.32	1	29.32	21	12.0	34	sw.	27	82	62	68	45
Reading	29.90	30.40	8	29.05	21	12.1	45	nw.	22	74	61	67	40
Scranton	29.89	30.34	8	29.05	21	7.0	32	nw.	22	76	58	66	49

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	8.4	18.6	18	5.7	31	18
Phillipsburg	Delaware	11.0	30.7	19	3.8	6	22
Lehighton	Lehigh	6.9	13.1	18	4.4	31	7
Wilkes-Barre	Susquehanna	16.3	33.1	20	6.2	4	20
Williamsport	Susquehanna	12.7	33.7	19	7.5	5	20
Harrisburg	Susquehanna	14.3	30.3	19	7.9	10	18
Greensboro	Monongahela	18.2	40.4	18	11.5	9	30
West Newton	Youghiogheny	6.7	28.0	18	3.2	9	20
Lock No. 4	Monongahela	19.2	40.1	18	12.3	9	30
Pittsburgh	Ohio	*	46.0*	18	16.1*	9	25
Beaver Dam	Ohio	*	54.8	19	19.5	9	30

* —Pool stage. † —Frozen ‡ Ice reading

Daily Temperatures for March, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	38	27	38	61	57	37	34	40	51	43	48	48	33	48	55	49	45	46	41	51	46	48	55	51	64	56	68	59	72	78	68	50.1
	Minimum	17	13	25	25	34	13	16	19	31	36	39	33	22	25	29	37	34	35	33	30	32	28	34	39	45	33	44	37	36	42	38	30.9
Bedford	Maximum	49	34	45	65	62	43	40	48	56	51	52	49	37	56	68	68	58	52	44	52	47	50	60	56	65	63	69	62	74	78	74	55.7
	Minimum	19	12	27	22	36	20	21	20	35	38	42	33	25	25	32	42	39	38	34	31	33	35	35	44	40	33	45	40	33	40	36	32.4
Bethlehem	Maximum	47	37	41	45	47	34	36	41	53	63	59	52	38	56	70	69	67	58	54	59	56	54	63	62	70	67	59	59	71	75	74	56.0
	Minimum	27	15	30	29	33	20	18	18	33	36	44	38	28	31	37	44	48	48	42	36	41	38	40	43	46	38	44	44	36	47	52	36.3
Brookville	Maximum	46	35	38	41	58	40	29	41	44	40	59	47	38	30	47	54	40	36	44	42	52	36	49	59	62	60	59	56	69	69	72	48.1
	Minimum	17	10	25	22	28	9	9	13	18	30	34	34	23	14	17	31	32	29	33	24	28	24	28	34	38	22	30	28	25	31	29	24.8
Butler	Maximum	37	32	36	62	62	30	42	50	50	66	60	52	38	42	60	58	40	38	40	50	45	45	50	60	59	60	70	60	74	74	71	52.0
	Minimum	23	23	29	35	23	10	17	20	32	30	46	35	23	17	40	29	31	28	35	25	28	33	38	37	45	27	48	36	45	50	31	31.3
Carlisle	Maximum	41	32	46	47	46	43	36	43	53	63	55	52	40	53	66	62	63	58	47	58	52	57	56	59	68	66	57	66	73	76	72	55.0
	Minimum	23	7	36	29	32	21	18	18	33	25	46	33	28	26	31	45	45	45	34	30	38	39	37	42	41	39	45	41	38	42	49	34.2
Catawissa	Maximum	41	34	40	57	50	38	42	40	54	66	59	54	35	50	67	56	67	61	58	58	52	55	62	61	66	63	60	64	72	75	65	55.5
	Minimum	22	10	21	24	34	17	14	12	32	35	48	33	28	26	29	43	40	44	34	33	32	34	32	42	44	32	48	32	44	44	43	32.5
Chambersburg	Maximum	40	33	47	58	49	41	40	47	57	57	54	47	41	56	68	58	61	58	46	55	50	57	58	58	68	62	58	65	72	76	70	55.1
	Minimum	24	13	30	26	35	23	21	20	32	38	44	35	28	33	36	46	44	42	41	31	38	38	40	42	41	38	46	41	37	42	46	35.2
Chambersville	Maximum	32	31	39	57	55	37	43	54	55	63	64	56	44	52	63	66	43	54	43	55	55	51	65	69	66	64	74	68	72	79	74	56.2
	Minimum	18	20	28	29	30	11	14	23	36	32	44	31	21	19	30	37	32	31	30	25	28	28	30	44	46	26	47	35	32	40	30	29.9
Claysville	Maximum	43	43	52	64	62	44	48	63	55	68	63	53	33	55	63	63	41	40	36	45	43	56	61	61	60	64	70	63	72	78	77	56.1
	Minimum	25	22	32	36	28	17	21	28	37	35	46	30	23	21	32	39	28	28	29	28	28	29	36	43	45	30	49	35	40	46	32	32.2
Clearfield	Maximum	38	32	38	62	53	42	39	40	40	52	48	47	43	42	47	45	41	40	38	45	36	53	54	60	65	63	68	64	70	74	68	49.9
	Minimum	13	10	24	18	28	10	13	18	30	33	40	32	25	20	29	35	28	31	32	28	30	30	29	35	38	26	41	34	28	41	31	27.7
Coatesville	Maximum	38	39	44	51	44	33	35	42	60	66	55	55	41	60	69	72	59	59	51	57	50	55	60	64	71	61	57	62	71	75	65	55.5
	Minimum	27	17	32	24	32	25	21	20	33	37	45	33	30	32	35	41	52	44	36	31	36	37	36	42	42	37	46	44	34	42	43	35.0
Corry	Maximum	31	33	39	50	40	30	40	40	47	65	54	47	37	44	56	40	36	36	33	35	50	50	50	47	55	62	67	57	64	60	45	46.5
	Minimum	10	7	15	33	18	4	9	17	34	18	37	30	21	23	38	30	24	29	29	25	21	29	29	32	36	22	43	32	30	37	23	25.3
Emporium	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Erie*	Maximum	25	36	44	53	36	19	35	47	47	55	55	40	30	42	58	42	33	33	36	37	36	45	55	59	55	59	68	49	61	59	36	44.8
	Minimum	13	20	32	30	15	12	17	28	36	33	40	30	26	26	38	33	27	26	31	29	29	30	41	45	43	36	43	37	41	34	29	30.6
Franklin‡	Maximum	41	35	45	58	45	33	45	46	49	64	53	42	34	46	55	43	33	43	37	48	40	52	55	57	58	60	75	60	69	73	42	49.5
	Minimum	14	15	22	32	25	11	12	16	22	31	33	34	24	20	24	32	29	27	31	24	26	29	32	36	32	26	28	35	32	39	30	26.5
Freeland	Maximum	35	25	32	47	47	31	33	33	46	54	49	46	31	45	58	58	57	56	51	52	47	45	56	59	62	60	51	51	62	65	63	48.6
	Minimum	14	12	24	26	28	10	13	19	29	40	42	29	22	23	38	40	37	45	30	28	30	30	31	39	48	35	40	37	36	47	38	31.0
Gettysburg	Maximum	44	32	46	53	50	41	38	45	59	64	61	55	42	57	66	66	63	69	47	56	51	57	55	62	69	67	56	65	73	75	70	56.6
	Minimum	25	15	30	26	37	26	21	21	34	41	48	33	29	31	36	46	48	41	39	11	39	38	41	42	44	39	45	42	39	43	50	36.1
Greensburg	Maximum	40	37	45	70	59	40	44	58	55	66	65	51	32	59	62	59	48	49	35	52	45	51	65	60	70	59	70	61	84	75	71	56.0
	Minimum	22	24	32	32	32	16	22	27	43	32	49	32	20	24	32	40	32	32	32	30	30	28	36	49	48	33	29	27	38	45	33	32.3
Grove City	Maximum	39	38	54	55	50	37	55	63	47	62	71	47	37	48	62	73	39	47	35	45	41	46	49	55	58	58	67	57	66	67	72	52.9
	Minimum	12	20	19	37	25	10	17	27	39	27	30	33	22	20	34	35	28	31	29	26	21	28	36	36	43	30	50	37	41	45	29	29.6
Hamburg	Maximum	41	33	43	45	44	38	36	42	51	60	54	53	38	53	69	63	66	61	55	58	52	55	59	59	71	66	55	63	73	75	68	54.8
	Minimum	23	15	30	26	35	21	17	18	33	40	45	35	28	28	34	46	48	48	35	30	36	35	36	44	46	38	44	43	34	45	47	34.9
Harrisburg*	Maximum	41	34	45	44	44	37	35	44	52	61	55	50	38	55	67	61	64	59	50	55	44	54	55	55	67	58	56	63	70	73	64	53.2
	Minimum	24	16	33	31	33	21	22	25	35	42	46	33	29	32	39	46	47	47	36	35	38	41	42	44	44	46	46	45	42	49	42	37.1
Hawley	Maximum	36	32	36	53	49	33	35	40	47	61	50	45	33	49	66	61	65	59	54	60	57	47	58	64	67	66	61	59	67	72	68	53.2
	Minimum	13	−1	25	17	30	13	8	6	31	32	35	32	26	26	29	37	37	46	32	32	34	32	28	40	42	28	37	33	25	40	37	28.5
Holtwood	Maximum	38	36	46	46	43	34	39	41	54	59	51	48	41	52	66	64	61	59	48	55	48	55	53	58	66	57	54	61	69	72	61	52.7
	Minimum	28	19	33	30	33	28	24	25	34	37	48	36	34	32	37	43	51	46	39	37	39	41	39	42	44	45	46	46	41	44	46	37.6
Huntingdon	Maximum	48	31	41	63	46	42	39	44	55	51	51	49	....	54	55	50	60	58	52	56	52	55	58	55	68	....	68	65	73	76	70	54.7[b]
	Minimum	16	7	18	12	37	17	15	16	34	34	41	33	....	26	36	26	40	44	36	30	30	29	29	43	43	....	31	43	30	40	37	30.1[b]
ohnstown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lancaster	Maximum	44	35	43	47	46	41	35	42	56	60	64	58	47	55	65	67	70	62	54	54	55	55	57	60	68	69	58	65	74	75	70	56.5
	Minimum	23	14	31	23	31	24	19	19	19	37	43	33	29	26	35	40	56	44	36	28	38	37	31	39	39	35	46	41	33	37	50	33.4
Lawrenceville	Maximum	39	33	39	60	50	36	42	42	42	48	50	48	35	44	62	55	34	38	39	55	52	51	50	54	72	63	62	60	69	66	55	49.8
	Minimum	13	3	25	22	25	9	12	16	35	35	38	30	19	25	25	32	30	31	31	25	31	31	27	38	32	26	39	31	27	34	32	26.7
Lebanon‡	Maximum	46	34	44	47	42	32	33	42	51	61	55	48	46	57	69	65	67	61	47	58	49	57	57	57	67	60	56	63	72	75	75	54.6
	Minimum	25	16	21	25	32	23	19	20	25	38	41	46	28	28	34	42	50	47	42	30	33	37	36	43	41	39	48	41	34	43	51	34.8
Marcus Hook*	Maximum	42	47	52	51	43	47	....	62	65	60	60	45	60	69	72	70	63	56	58	57	56	59	65	72	71	61	64	72	74	71	57	60.0[a]
	Minimum	23	35	30	41	31	25	....	36	45	46	42	37	36	41	50	54	46	43	38	42	40	41	45	48	42	47	47	42	49	55	37	41.1[a]
Meadville	Maximum	33	33	41	52	45	35	38	40	48	63	62	52	44	45	58	57	45	31	32	40	40	46	53	56	56	61	67	60	66	67	67	49.5
	Minimum	14	20	29	36	23	10	15	22	34	29	17	34	24	22	34	34	27	25	28	29	28	28	40	42	37	27	48	31	38	37	29	28.7
Montrose	Maximum	35	30	33	45	44	26	34	35	42	54	49	46	31	41	59	54	60	60	54	52	48	42	51	55	63	60	53	51	62	66	63	48.3
	Minimum	19	19	24	32	26	14	14	26	32	38	46	31	27	27	38	36	36	54	32	32	30	30	37	46	51	53	51	41	41	58	33	34.6
Mount Pocono	Maximum	37	33	36	41	42	28	34	40	39	42	46	45	47	42	57	56	53	46	48	55	45	52	48	47	50	51	58	60	58	65	68	47.4
	Minimum	15	17	20	23	24	10	8	16	20	32	36	38	36	38	35	38	39	38	37	28	29	27	26	28	30	29	35	36	35	36	40	29.0
Philadelphia*	Maximum	42	41	46	55	50	37	34	45	63	64	56	57	42	60	69	72	66	59	48	59	49	57	60	65	71	58	61	62	70	75	68	56.8
	Minimum	29	24	35	32	36	29	25	28	37	45	45	37	35	36	41	53	53	47	39	38	39	41	44	46	46	42	46	48	44	50	45	39.8
Pittsburgh*	Maximum	35	40	46	62	43	32	43	56	54	66	53	50	29	49	61	45	37	42	34	49	38	49	60	60	61	57	69	61	70	75	62	51.2
	Minimum	21	25	32	37	26	15	23	29	41	33	48	26	24	24	40	37	28	30	31	29	28	31	38	48	45	39	43	36	45	49	31	33.3
Quakertown	Maximum	40	35	40	44	41	33	33	40	55	60	53	53	38	54	67	65	66	62	53	56	52	54	61	61	70	65	58	59	68	73	68	54.1
	Minimum	24	11	30	19	32	22	16	14	32	36	45	35	29	27	31	43	53	48	39	32	36	35	33	43	38	35	43	42	30	41	50	33.7
Reading*	Maximum	42	35	42	53	45	33	36	44	56	64	54	54	40	56	69	65	67	58	51	57	49	55	56	60	69	62	57	61	71	74	62	54.7
	Minimum	24	16	32	30	32	23	20	24	37	41	48	36	29	31	38	48	54	46	38	36	37	39	41	45	48	45	46	45	40	50	43	37.5
Ridgway‡	Maximum	37	37	45	58	38	29	41	41	45	55	52	36	35	48	58	39	35	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	18	16	16	21	29	10	12	18	19	32	35	35	24	23	25	33	33	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
cranton*	Maximum	28	35	38	55	43	32	38	42	53	64	53	52	34	49	68	56	66	61	44	59	53	48	55	63	67	65	58	55	68	74	61	52.8
	Minimum	16	13	33	29	31	14	16	21	37	42	48	33	29	30	36	40	40	39	35	35	34	36	35	43	49	36	46	38	33	50	33	33.9
elinsgrove	Maximum	41	31	38	47	46	36	36	40	50	51	54	54	36	56	63	59	64	65	53	55	53	56	56	57	68	65	60	58	70	71	71	53.5
	Minimum	21	4	29	21	34	17	13	17	34	34	43	32	26	25	32	43	38	42	33	30	37	37	34	41	43	35	38	40	31	66	46	32.8
omerset	Maximum	41	32	41	60	55	38	40	52	56	52	49	49	30	52	61	58	43	50	35	48	42	44	60	57	60	55	67	56	67	74	66	51.3
	Minimum	17	19	27	22	32	15	18	18	37	31	44	30	20	16	28	38	33	30	29	26	27	28	28	40	40	27	43	34	27	38	29	28.7
tate College	Maximum	33	34	39	58	52	41	37	42	47	47	50	48	35	44	55	48	59	57	47	54	47	51	54	59	65	57	64	59	72	73	67	51.5
	Minimum	18	8	30	25	31	11	15	20	34	33	39	33	22	22	27	38	38	36	34	30	31	29	34	39	47	31	44	36	35	45	36	30.7
troudsburg‡	Maximum	35	35	36	46	41	43	44	37	47	50	61	61	38	35	38	58	65	60	59	70	....	....	....	....	....	....	58	59	62	64	67	50.8[f]
	Minimum	10	4	6	22	24	20	20	20	8	35	36	38	30	29	28	31	37	30	33	37	....	....	....	....	....	34	36	34	38	40	40	27.7[e]
Towanda	Maximum	32	37	38	57	45	32	38	42	50	58	51	49	35	45	63	52	66	48	39	56	47	49	50	57	67	61	61	60	69	68	63	51.1
	Minimum	14	7	30	25	28	13	14	17	36	34	44	31	26	28	29	34	33	33	33	31	31	34	29	42	44	29	43	35	27	40	33	29.9
Uniontown	Maximum	42	40	48	68	59	42	47	61	57	67	58	52	32	56	65	60	42	35	34	49	43	50	64	62	66	57	69	62	71	77	70	55.0
	Minimum	23	24	35	34	35	20	25	26	44	35	52	32	25	22	35	42	32	30	31	27	30	28	34	48	50	34	52	37	36	46	36	34.2
Vandergrift*	Maximum	39	40	46	67	44	33	43	53	50	68	53	52	34	48	63	51	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	22	22	33	32	26	15	22	23	35	34	48	31	25	28	23	38	32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Warren	Maximum	30	32	38	50	36	35	37	40	42	50	55	50	35	40	53	40	35	36	35	40	42	43	50	52	54	52	55	62	62	60	57	45.1
	Minimum	21	19	26	30	22	10	16	22	34	35	46	34	28	27	38	32	30	30	32	28	30	28	32	42	38	26	29	36	35	40	28	29.8
Waynesburg	Maximum	43	43	51	66	63	45	49	55	58	71	60	53	33	56	68	61	40	41	35	46	41	53	61	60	62	61	58	61	68	75	75	55.1
	Minimum	22	21	33	37	32	19	22	23	40	37	49	30	24	20	33	40	29	28	30	27	29	32	35	49	48	32	49	36	37	46	34	33.0
Wellsboro	Maximum	31	30	37	58	40	32	40	37	43	47	47	44	35	45	55	49	34	39	38	55	42	47	50	64	64	63	61	57	70	66	64	47.9
	Minimum	14	0	27	18	25	7	7	14	32	31	34	29	17	24	25	33	30	30	30	22	31	29	25	37	40	22	35	36	24	36	29	25.6
Williamsport	Maximum	46	31	38	47	43	36	38	40	48	55	50	49	34	43	58	48	63	60	56	53	51	55	52	55	70	61	55	61	74	74	68	52.0
	Minimum	20	8	30	24	34	15	16	20	36	35	45	32	27	29	32	40	36	39	34	31	35	35	30	42	44	31	45	37	30	43	42	32.2
Williamstown	Maximum	50	45	37	55	53	38	35	43	55	62	57	50	32	56	65	60	61	60	52	55	51	46	58	56	63	65	56	59	67	72	70	54.3
	Minimum	19	13	26	30	33	15	17	22	32	39	43	32	22	24	36	39	39	43	32	30	30	32	35	42	47	40	41	38	41	44	43	32.9
ork	Maximum	43	35	48	56	51	40	37	46	63	68	60	55	42	61	72	66	66	61	48	60	53	57	58	63	68	68	58	65	76	78	71	57.8
	Minimum	25	13	32	27	32	25	20	21	33	41	47	33	30	30	32	42	48	44	35	30	38	38	32	38	39	35	46	38	33	39	49	34.4

* Midnight to midnight,

‡ Thermometers read in morning, maximum set back to preceding date.

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CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XLI. APRIL, 1936. NO. 4.

GENERAL SUMMARY.

This was the coolest April since 1928, and frosts were of frequent occurrence throughout the month. The soil remained cold, and vegetation started slowly. The chief damage was to early seedings that failed to germinate, and had to be replanted. However, since seeding was generally delayed, this condition was reduced to a minimum. Tender plants were not set out, and orchard fruits did not come into bloom until near the end of the month, so frosts did very little damage above ground. The first half of the month was very rainy, with considerable snow in the northern half of the State, and the soil became completely saturated. Fields were too muddy to work successfully, and planting was delayed ten days or more. An abrupt change occurred after the 15th, and the rains became light, local, and widely scattered. Apparently about twenty per cent of the month's rainfall occurred after the 15th. The soil dried out rapidly, and field work was speeded up, but the end of the month found field work generally about two weeks late. The top soil dried out so rapidly, during the last half of the month, that complaints were made in some regions that it plowed up cloddy. However, at the end of the month there was still an accumulated excess of moisture for the calendar year in nearly all parts of the State, and in the central counties this excess reached more than seven inches in some places. As a result the subsoil retained ample moisture for well established or deeply rooted plants, and the dry conditions were felt chiefly in the seed beds. Winter wheat and rye were mostly in good condition, and made a good healthy growth. Pastures and meadows made a good start during the wet period, but slowed up a bit toward the end of the month. Near the end of the month it became apparent that there had been considerable winter-killing of peach trees, and a considerable damage by freezing of the apple buds. It seemed that the worst damage to peaches was in the south-central counties, in a region where the peach crop was heaviest last season. Pears, cherries, and grapes seemed to have survived the winter in good condition. Forest trees remained dormant unusually late, and mostly greened up during the last half of the month.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 85 stations, was 46.1°, which is 2.5° below the April normal for 49 years of record. The highest monthly mean was 53.2°, at Marcus Hook, and the lowest was 38.0° at Gouldsboro. Extremes for the month ranged from a maximum of 90° at York on the 30th, to a minimum of 14° at Brookville on the 4th. The greatest daily range in temperature was 49° at Arendtsville on the 15th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations taken at 136 stations, was 3.01 inches, which amount is 0.38 inch less than the 49-year normal for April. The greatest monthly amount was 5.49 inches at Corry, while the least, 1.09 inches, was reported from Center Hall. The greatest amount recorded in any 24 consecutive hours was 2.88 inches at Pine Grove on the 5-6th.

Snowfall for the month averaged 1.3 inches, which is 0.9 inch less than the 49-year normal for April. The greatest monthly amount was 10.6 inches at Warren. The greatest 24-hour snowfall was 4.0 inches at Mount Pocono on the 9th.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.2	92	12	2.52	1.3	8	14	10	6
1889	49.7	88	14	4.50	0.9	11	11	8	11
1890	48.6	85	12	3.46	0.4	10	14	8	8
1891	49.8	87	11	2.08	1.2	8	13	9	8
1892	46.9	85	14	2.04	1.1	10	10	10	10
1893	47.7	85	16	4.74	0.6	14	7	10	13
1894	48.0	83	5	3.62	14.7	11	11	8	11
1895	49.2	90	5	3.76	0.2	10	10	8	12
1896	53.0	97	4	1.75	0.9	8	10	10	10
1897	49.0	92	12	3.30	0.3	10	12	9	9
1898	45.6	84	4	2.93	2.5	12	9	8	13
1899	50.2	92	2	1.76	0.5	6	15	9	6
1900	49.2	90	13	1.57	0.9	8	14	8	8
1901	47.2	95	10	5.41	4.9	11	9	5	16
1902	48.0	91	20	3.56	3.0	9	8	10	12
1903	48.8	90	12	3.53	T.	10	11	7	12
1904	44.7	86	9	3.45	1.0	13	8	8	14
1905	48.4	84	16	2.84	2.8	12	9	11	10
1906	50.0	89	12	3.13	0.6	9	14	8	8
1907	43.6	84	8	2.64	4.0	11	10	7	13
1908	49.8	89	0	3.51	1.0	12	12	8	10
1909	48.5	87	8	5.39	2.6	13	10	9	11
1910	52.6	89	13	5.07	0.6	13	10	9	11
1911	46.2	84	6	3.79	4.4	13	11	7	12
1912	50.2	83	18	4.39	1.6	15	10	7	13
1913	50.6	90	17	3.82	0.2	11	12	6	12
1914	47.3	93	5	4.66	1.1	14	10	8	12
1915	53.9	98	15	1.92	1.6	8	13	10	7
1916	48.0	87	16	3.65	5.6	14	9	9	12
1917	48.5	87	14	2.08	2.6	9	11	10	9
1918	48.2	81	12	4.53	10.8	14	10	9	11
1919	48.5	90	6	2.70	1.2	11	10	10	10
1920	46.0	87	8	4.39	3.0	16	9	9	12
1921	55.3	96	10	3.11	0.8	11	13	7	10
1922	50.1	91	11	3.17	0.4	12	12	9	9
1923	48.3	89	−5	2.94	1.9	9	14	8	8
1924	46.5	82	6	4.15	7.4	12	13	7	10
1925	51.3	96	9	2.32	0.5	10	15	7	8
1926	44.9	84	9	2.03	0.9	9	12	9	9
1927	47.7	92	17	3.52	1.0	13	12	7	11
1928	46.0	88	11	5.50	6.5	13	12	8	10
1929	51.4	94	19	6.12	1.1	15	9	8	13
1930	48.2	92	9	2.71	1.1	10	11	8	11
1931	48.4	85	16	3.33	2.3	10	14	6	10
1932	47.0	86	14	1.71	1.2	8	14	6	10
1933	50.9	89	15	4.49	0.5	13	12	8	10
1934	48.9	86	14	3.06	0.6	11	13	8	9
1935	47.1	91	12	2.56	2.9	11	11	7	12
1936	46.1	90	14	3.01	1.3	14	8	8	14
Period	48.6	98	−5	3.39	2.2	11	11	8	11

Climatological Data for April, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	46.9	−1.6	84	30	27	25	37	3.04	−0.67	1.56	T.	14	14	7	9	ne.	John A. Frick.
Altoona	Blair	1,615	49	43.7	−4.2	79	29	20	4	38	3.26	−0.26	1.20	1.2	18	10	6	14	w.	John J. Martin.
Ardmore	Montgomery	350	16	47.8	−2.6	84	30	27	4†	41	3.00	−0.79	1.40	T.	11	6	11	13	......	H. L. Balderston.
Arendtsville	Adams	700	14	46.1	−3.1	82	29	25	8	49	3.65	+0.31	2.43	......	8	15	6	9	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	46.3	....	83	29	23	4†	42	3.01	....	1.27	T.	14	10	0	20	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	48.4	−3.0	84	29†	28	4†	30	3.49	−0.01	1.92	T.	14	12	3	15	nw.	Lehigh University.
Carlisle	Cumberland	467	70	49.3	−2.7	86	30	27	8†	40	3.75	+0.39	1.80	T.	16	14	5	11	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	47.2	−3.1	87	30	26	8†	46	2.88	+0.69	0.80	T.	14	10	8	12	......	W. L. Gearhart.
Center Hall	Center	1,272	40	44.0	−3.7	78	29†	22	8	32	1.09	−2.06	0.26	1.8	9	14	9	7	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	49.2	−1.0	88	30	27	4†	40	3.33	+0.09	1.92	T.	15	4	12	14	sw.	William B. Spear.
Clearfield	Clearfield	1,120	29	44.8	−2.9	83	29	20	4†	46	4.09	+0.50	1.05	8.0	19	4	15	11	nw.	E. W. Hess.
Coatesville	Chester	380	49	48.6	−1.9	84	30	27	8	33	3.21	−0.55	1.54	T.	14	4	5	21	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	46.4	−2.3	84	30	25	8†	39	3.92	+0.22	1.47	2.0	16	10	7	13	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	C. E. Koppenheffer
Ephrata	Lancaster	380	44	49.9	−0.3	88	30	28	8†	37	2.77	−0.43	1.54	T.	12	8	4	18	s.	Ira J. Keath
Freeland	Luzerne	1,970	43	41.8	−2.5	78	30	19	8	32	2.74	−1.84	1.08	1.8	15	8	6	16	w.	Andrew B. Evansha.
George School	Bucks	190	30	48.4	−1.8	84	30	22	4	32	2.51	−1.11	1.26	T.	13	16	6	8	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	49.8	−1.0	85	15†	27	8	39	3.09	−0.54	1.79	T.	11	9	8	13	w.	Dr Henry Stewart
Gordon	Schuylkill	840	32	45.8	−1.9	84	30	22	25	42	3.54	−0.66	1.41	3.0	11	13	3	14	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	38.0	−2.7	67	29	16	8	27	4.55	+0.96	1.62	1.5	13	10	7	13	w.	Ronald H. Marshall.
Hamburg	Berks	535	43	48.5	−1.0	87	30	27	8†	36	3.87	−0.27	2.51	T.	14	11	13	6	sw.	State Sanatorium.
Hanover	York	600	32	50.2	−2.2	86	30	27	4†	37	3.62	+0.29	1.76	T.	10	10	7	13	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	48.6	−2.3	84	30	29	4	39	3.61	+0.92	1.73	T.	16	5	11	14	w.	U. S. Weather Bureau.
Hawley	Wayne	900	18	43.6	−1.9	82	30	18	25	42	2.50	−0.72	0.66	0.3	13	13	8	9	w.	Mrs. Della M. Penuell.
Holtwood	Lancaster	200	21	50.0	−1.4	81	30	31	8	33	2.23	+0.61	0.88	0	9	9	6	15	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	46.8	−2.7	84	29	23	23	40	2.78	−0.71	1.17	T.	12	9	9	12	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	47.8	−2.9	86	30	23	4†	47	2.23	−1.19	1.15	T.	13	9	12	9	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	41.6	....	76	29†	19	8	35	2.28	....	0.76	1.1	17	3	8	19	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	48.2	−0.9	84	30	25	25	39	2.86	−0.40	1.10	T.	13	7	15	8	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	39	44.1	−1.8	81	28	20	8†	40	1.86	−1.12	0.50	2.0	12	8	8	14	......	C. P. Darling.
Lebanon	Lebanon	469	52	47.8	−2.5	85	30	27	4†	38	3.15	−0.34	1.63	T.	11	16	7	7	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Joseph Beaver.
Marcus Hook	Delaware	50	10	53.2	−1.2	85	20	30	7	37	3.32	....	1.90	T.	10	18	0	12	w.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	46.1	−2.4	83	30	22	9	44	4.76	+0.71	2.50	0.5	11	12	3	15	nw.	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	42.7	+0.5	77	30	21	8	31	4.66	+1.02	2.10	4.0	5	5	15	10	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	43.8	−3.2	81	30	21	25	40	3.42	−0.44	1.41	1.0	8	12	6	12	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	48.4	−0.8	86	30	26	9†	40	3.04	−0.71	1.25	0	15	12	6	12	e.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	46.4	−0.7	83	30	26	9†	40	4.53	+1.29	2.38	T.	15	11	9	10	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	50.2	−1.9	83	30	31	8	38	2.25	−0.80	0.91	T.	13	6	11	13	s.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	50.4	−1.3	87	30	26	25	39	3.02	−0.50	1.52	T.	11	11	11	8	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	51	47.2	−1.3	83	30	24	25	37	3.65	−0.41	1.97	T.	13	12	7	11	s.	John E. Benner.
Reading	Berks	273	66	48.9	−1.4	85	30	28	8	35	2.41	−0.86	1.00	T.	17	5	15	10	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	46.8	....	84	30	24	1†	35	3.87	....	1.49	1.0	12	11	7	12	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	45.9	−2.2	82	29	25	8	35	2.85	+0.08	0.90	T.	14	4	13	13	nw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	47.5	−2.0	82	30	26	8†	39	3.89	+0.22	1.62	3.0	17	7	9	14	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	50.5	−1.5	83	29	30	9	32	2.71	−0.62	1.24	T.	11	8	8	14	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	3	48.3	....	84	30	26	4†	36	3.90	....	2.15	T.	15	6	9	15	sw.	State Teachers College
State College	Center	1,217	52	44.3	−3.2	80	29	22	4†	36	2.75	−0.85	1.13	0.5	12	10	10	10	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	......	....	......	......	......	......	....	3.82	+0.25	1.12	T	8	14	3	13	w.	State Normal School.
Towanda	Bradford	754	42	44.5	−1.9	81	29	21	25	42	2.01	−1.08	0.31	T.	18	8	7	15	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	44.0	−0.6	80	29	19	8†	48	1.60	−1.46	0.57	T.	10	8	12	10	nw.	George W. Hill.
West Chester	Chester	455	87	48.9	−0.9	84	30	27	8	35	3.22	−0.52	1.20	T.	12	6	9	15	sw.	Harlan Saylor.
Williamsport	Lycoming	521	50	47.3	−1.7	83	30	25	8	40	2.28	−1.36	0.54	T.	11	11	2	17	w.	Miss Veronica E. April
Williamstown	Dauphin	1,275	21	45.4	−4.2	84	30	21	8	34	3.21	−0.27	1.38	T.	11	12	7	11	nw.	Susquehanna Collieries Co.
York	York	400	48	49.6	−1.3	90	30	25	25	44	3.16	−0.03	1.47	0	12	10	18	2	w.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	44	46.4	−3.3	79	29	24	4†	41	1.84	−1.30	0.56	0.5	16	5	3	22	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	46	41.6	−3.3	79	29	14	4	36	3.11	+0.21	0.88	3.5	18	3	10	17	......	Frank S. Fawcett.
Butler	Butler	1,077	23	44.6	−3.1	78	29†	19	23	39	2.93	−0.44	1.09	1.0	12	6	14	10	w.	William C. Faust.
Chambersville	Indiana	1,047	35	44.8	−4.5	80	28†	18	23	42	2.54	−1.34	0.86	1.2	18	8	1	21	nw.	John E. Lewis.
Clairton	Allegheny	1,020	4	47.2	....	84	29†	22	8	43	2.28	....	0.80	0.4	14	5	5	20	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	46.3	−4.3	82	30	18	20	42	2.96	−0.43	1.21	2.0	18	11	3	16	s.	J. L. Melvin.
Corry	Erie	1,430	23	41.5	−3.2	73	29	15	9	42	5.49	+1.58	1.71	4.0	20	9	9	12	nw.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	45.6	−3.8	82	30	20	4	36	3.29	−0.44	1.15	1.5	17	9	11	10	w.	Ted R. Wineman.
Donora	Washington	762	10	48.7	−2.8	83	29	26	8	40	2.90	−0.46	1.35	......	14	6	11	13	......	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	43.0	−2.2	78	29†	17	8	37	2.77	−0.43	0.45	3.0	19	7	7	16	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	J. S. Stevanus.
Franklin	Venango	957	62	43.2	−2.8	78	28†	20	4†	42	3.24	−0.26	0.58	4.0	15	11	2	17	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	47.4	−2.9	81	30	22	3†	43	3.13	−0.27	1.21	3.5	19	4	10	16	sw.	Westmoreland Water Co.
Greenville	Mercer	950	40	41.4	−5.1	74	30	19	8	36	3.14	−0.32	0.65	0.3	15	7	3	20	.....	Charles P. Clarke.
Grove City	Mercer	1,256	29	43.7	−8.9	78	20	19	3	40	1.65	−1.76	0.54	0.2	9	4	11	15	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	45.2	−4.1	80	29†	20	4	40	3.02	−0.11	1.16	1.0	20	12	5	13	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	.....	Robert Tross.
Kane (near)‡‡	Elk	2,020	4	40.4	....	75	29	17	4†	40	3.67	....	0.96	3.5	19	8	2	20	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	44	44.8	−4.8	79	28	18	4	38	2.75	−1.07	0.98	4.2	15	1	5	24	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	43.6	−1.9	74	30	21	4†	40	3.02	−0.51	0.82	5.3	13	6	8	16	w	Ass'd Gas & Electric Co.
New Castle	Lawrence	808	56	43.4	−5.0	77	29	21	4†	35	1.77	−1.65	0.44	2.4	16	5	18	7	nw.	New Castle Water Co
Newell	Fayette	800	16	46.2	−4.8	80	30	23	4†	30	3.03	+0.18	1.42	T.	13	....	....	....	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	45.4	−5.8	78	29	21	4	38	2.11	−0.81	1.02	1.6	15	3	6	21	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	West Penn. Power Co.
Sharon‡‡	Mercer	940	23	44.9	−3.3	75	29†	22	4	45	2.33	−0.71	0.58	0.5	12	3	6	21	s.	Harry H. Gerber.
Somerset	Somerset	2,190	69	41.6	−4.6	76	28†	17	4†	40	3.45	−1.34	1.42	3.8	16	3	11	16	nw.	D. L. Grove.
Uniontown	Fayette	1,100	48	47.3	−3.9	82	29	22	4	43	3.31	−0.42	1.31	1.0	18	5	16	9	sw.	Wm. W. Marsteller
Vandergrift	Westmoreland	825	22	46.4	−4.0	82	28†	24	5†	39	1.43	−1.42	0.32	......	15	13	13	4	......	Amer. S. & T. Plate Co
Warren	Warren	1,180	47	40.8	−3.9	69	30	19	8	30	3.74	+0.12	0.78	10.6	16	5	5	20	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	46.2	....	79	30	22	4†	40	3.51	....	1.41	1.0	12	4	13	13	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	42.4	−2.7	74	29	23	8	30	2.97	+0.24	0.56	9.0	16	5	3	22	w.	U. S. Weather Bureau.
For the State		......	49	46.1	−2.5	90	30	14	4	49	3.01	−0.38	2.88	1.3	14	8	8	14	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-5-28-36-1050.

Daily Precipitation for April, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
llantic Drainage.																																	
lentown‖	Lehigh	T.	.12	.27	....	....	1.56	.06	.04	....	.45	.07	.03	.11	T.	.01	.09	....	....	....	....	....	.17	....	....	....	.01	T.	....	.05	....	....	3.04
toona	Juniata	.05	.59	.10	.02	T.	1.20	.11	.02	.44	.13	.15	.09	.02	.03	.02	.02	T.	....	T.	....	.22	....	....	....	....	.03	.02	....	....	....	....	3.26
nsonia‖	W. Br. Susq	....	.33	.02	....	....	.60	.01	.02	....	.25	.43	.02	.13	....	....	.04	T.	T.	.01	T.	.02	.15	....	....	....	....	....	.01	.35	.04	....	2.43
rdmore	Lower Del	.04	.36	T.	....	.45	.95	.08	....	.45	.27	.15	.20	.01	T.	....	.04	T.	....	....	....	T.	....	....	....	....	T.	T.	....	....	....	....	3.00
endtsville	Lower Susq	....	.27	....	....	....	2.43	.02	....	....	.64	.15	.09	....	....	.02	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.65
ker's Summit	Juniata	.04	.18	....	....	.08	1.24	.12	....	.40	.20	.10	.05	....	....	.11	.03	....	.04	....	.04	.04	....	....	....	....	.02	.04	.05	.08	....	....	2.86
dford	Juniata	T.	.20	.01	.03	.32	1.27	.18	T.	.43	.07	.10	.13	....	.06	....	.04	T.	T.	....	....	T.	.08	....	....	....	T.	T.	.09	....	T.	....	3.01
llefonte	W. Br. Susq	T.	.37	T.	T.	T	.83	.05	T.	.38	T.	.06	.23	.09	T.	....	T.	T.	T.	T.	....	.01	....	....	....	....	....	....	T.	....	....	....	2.05
thlehem	Lehigh	....	.23	.16	....	T.	1.92	.06	....	06	.48	.10	.02	.11	....	T.	.11	....	....	T.	....	.03	.11	....	....	....	.03	....	.07	....	....	....	3.49
oserville‡‡	Lower Susq	....	.40	....	....	....	2.25	.50	....	.62	....	....	.40	....	.05	....	.15	....	T.	....	....	....	....	....	....	....	....	.08	....	....	....	....	4.45
ffalo Mills‖	Juniata	....	.11	....	....	....	1.49	....	.20	....	.40	.10	....	....	....	....	....	....	....	....	....	....	.32	....	....	....	....	....	.20	.13	....	....	2.95
rlisle	Lower Susq	T.	.34	.04	....	.01	1.80	.14	T.	.38	.18	.30	.18	.02	T.	.05	.08	T.	T.	T.	....	.07	.10	....	....	....	.02	T.	.04	T.	T.	....	3.75
tawissa‡	N. Br. Susq	.03	.53	T.	....	.10	.80	.22	....	.55	....	.15	.05	.03	.01	.02	T.	T.	T.	T.	....	.32	....	....	....	....	....	....	.02	.05	....	....	2.88
nter Hall	Susquehanna	.12	.26	.12	....	....	....	.10	.14	....	....	....	.10	.14	....	....	T	T.	T.	....	....	....	....	....	....	....	....	....	.03	.08	....	....	1.09
ambersburg	Potomac	T.	.49	.04	....	T.	1.92	.05	....	.41	.04	.13	.09	.01	.02	T.	.01	....	....	....	....	T	....	....	....	....	.02	.04	.03	.03	....	....	3.33
earfield	W. Br. Susq	.08	.80	.05	.05	....	1.05	T.	.10	.20	.50	.35	.07	.08	.08	T.	.20	.03	.02	T.	....	.28	.05	....	....	....	T.	....	.05	....	.05	....	4.09
atesville	Lower Del	....	.35	.15	....	.02	1.54	.06	....	.40	.08	.24	.23	.01	....	.01	.10	....	....	....	....	....	....	....	....	....	.01	....	.01	....	....	....	3.21
lebrook	Lower Susq	.11	.35	.01	....	.55	1.47	.03	T.	.45	.10	.36	.17	.03	....	....	.03	....	....	....	....	.17	.02	....	....	....	.05	....	.02	T.	....	....	3.92
nshohocken	Schuylkill	....	.31	.03	....	....	.99	.02	....	.12	.38	.37	.03	.08	....	....	.06	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	2.39
ylestown	Lower Del	....	.25	.05	....	T.	1.49	.11	T	.10	.26	.29	.03	.09	....	T.	.02	....	....	....	....	....	T.	....	....	....	T.	....	T	....	....	....	2.69
nporium	W. Br. Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
hrata	Lower Susq	T.	.23	.13	....	T.	1.54	.03	T.	.31	.14	.23	.04	.02	....	....	.01	....	....	....	....	T.	.06	....	....	....	....	....	.03	....	....	....	2.77
rest City	N. Br. Susq	....	.98	.28	....	....	.73	.42	.22	....	.12	.34	.12	.34	.08	.12	.10	....	....	T.	.04	.09	....	.67	....	....	....	....	....	....	....	....	4.65
eeland‖	Lehigh	....	.18	.17	T.	....	1.08	.03	.18	....	.05	.12	.10	.33	.10	T.	.09	T.	T.	T.	T.	....	.22	....	....	....	.01	T.	T.	T.	.08	....	2.74
leton	W. Br. Susq	.05	.31	....	....	....	.30	.52	T.	.27	....	.24	.17	....	....	....	....	....	....	.12	....	.22	....	....	....	....	.02	....	.36	.32	.07	....	2.97
orge School	Lower Del	....	.24	.07	.01	T.	1.26	.04	....	.10	.29	.21	.06	.16	.01	T.	.01	....	....	....	....	....	.05	....	....	....	T.	....	....	....	....	....	2.51
ttysburg	Potomac	....	.21	.19	....	....	1.79	.06	....	.34	.18	.14	.05	....	T.	T.	.03	....	....	....	....	T.	.01	....	....	....	T.	T.	.09	....	....	....	3.09
rardville‖	Lower Susq	.10	.16	....	T.	1.58	....	.26	....	.48	....	.25	.12	.01	....	.09	T.	T.	....	....	....	.26	....	....	....	....	T.	....	....	.10	.06	....	3.47
rdon	Lower Susq	....	.25	T.	....	T.	1.41	.22	....	.10	.68	.14	.04	.22	....	....	.11	T.	....	T.	....	.10	.27	....	....	....	....	....	....	....	....	....	3.54
uldsboro‡‡	Lehigh	.10	.33	....	....	1.24	.04	.14	....	.16	....	.04	.30	.17	....	.12	....	....	....	....	....	.26	....	....	....	....	....	....	.03	....	1.62	....	4.55
aterford	Schuylkill	....	.18	.21	....	....	1.53	....	.03	.02	.14	....	.04	.07	....	....	.12	....	....	....	....	....	.05	....	....	....	T	....	....	....	....	....	2.39
mburg	Schuylkill	.02	.26	.10	....	.03	2.48	....	....	.31	.15	.15	.08	.10	....	....	.03	....	....	....	....	.12	....	....	....	....	.02	....	....	....	.02	....	3.87
anover	Lower Susq	....	.25	.46	....	T	1.76	.05	....	.28	.22	.31	.16	T.	T.	....	.06	....	....	....	....	....	T.	....	....	....	T	....	.07	T.	....	....	3.62
rrisburg***	Lower Susq	.11	.25	T.	....	.75	.98	.08	....	.54	T.	.17	.27	.02	.02	.06	.04	T.	....	....	....	.10	....	....	....	....	.02	T.	.05	.15	....	....	3.61
wley‖	Upper Del	....	.30	.14	T.	....	.66	T.	.14	....	.30	.03	.28	.08	.10	.04	.09	....	....	T.	T.	T.	.13	....	....	....	T.	....	....	T	.21	....	2.50
llisterville	Upper Del	....	.38	.10	....	....	1.07	.03	.21	....	.31	.04	.09	.08	.07	.05	.09	T.	T.	T.	.06	....	.25	....	....	....	T.	....	....	T	.24	....	3.07
ltwood‡‡	Lower Susq	....	.05	.37	....	.20	.88	.05	....	.25	.10	.24	.09	....	....	....	....	....	....	....	....	T.	....	....	....	....	T.	....	....	....	....	....	2.23
ntingdon	Juniata	.05	.20	T.	T.	.12	1.17	.15	....	.46	....	.30	.14	T.	T.	.11	T.	.03	....	....	....	.02	....	....	....	....	T.	T.	.03	....	....	....	2.78
ndman	Potomac	T.	....	T.	T.	....	1.15	.18	T.	.40	....	....	.11	.03	....	.04	.01	....	....	....	....	.06	.10	....	....	....	.04	.02	.06	.03	....	....	2.23
lertown***	W. B. Susq	.12	.50	.01	T.	.27	.50	.06	.01	.13	T.	.18	.11	.05	T.	.02	.04	T.	T.	T.	T.	.18	....	....	....	....	.01	T.	.08	T.	.01	....	2.28
keville‖	Upper Del	....	.33	.13	T.	....	.86	T.	.22	T.	.31	.02	.10	....	....	.09	.12	.02	T.	....	T.	....	.14	.01	....	....	....	T.	....	T.	.01	....	2.36
ncaster	Lower Susq	....	.25	.30	....	T.	1.10	.04	....	.24	.19	.29	.02	.28	....	.01	.01	....	T.	....	....	T.	.05	....	....	....	....	....	.08	....	....	....	2.86
nsford‖	Lehigh	....	.18	.09	....	....	2.68	.04	.17	....	.62	.06	T.	.57	T.	T.	.07	....	....	....	....	....	.26	....	....	....	T.	....	....	....	.10	....	4.84
wrenceville	N. Br. Susq	....	.50	T.	....	....	.20	T.	.05	.05	.10	.33	.18	.10	.05	....	T.	....	T.	T.	....	.10	....	....	....	....	....	T.	.10	....	.10	....	1.86
banon	Lower Susq	.14	.24	T.	....	1.63	T.	.04	....	.40	.17	.03	.08	T.	T	.18	T.	....	....	....	....	.20	....	....	....	.04	....	....	T.	....	....	....	3.15
highton‖	Lehigh	....	.13	.10	....	....	1.80	T.	T.	....	.60	T.	.01	T.	....	.04	.07	....	....	....	....	....	.30	....	....	....	....	....	....	....	.34	....	3.39
ck Haven	W. Br. Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
rcus Hook	Lower Del	....	.25	.11	T.	....	1.90	.01	....	....	.45	.37	....	.18	.01	T.	.03	....	....	....	....	T.	....	....	....	....	.01	....	....	....	....	....	3.32
tamoras‖	Upper Del	....	.90	.16	....	....	1.21	.11	.10	....	.36	....	T.	.36	.17	.05	.11	T.	....	....	....	....	T.	....	....	....	....	....	....	.08	....	....	3.61
uch Chunk	Lehigh	....	.19	....	....	.09	2.50	.12	....	.50	....	.13	.14	.10	....	....	.08	....	....	....	....	.33	....	....	....	....	....	....	....	T.	.58	....	4.76
ntrose	Susquehanna	....	.52	....	....	....	.47	.10	T	.05	.21	.37	.06	.43	.09	.11	....	....	.03	....	....	.39	....	....	....	....	.02	....	.04	....	....	....	2.89
rris Run	N. Br. Susq	....	.12	.03	....	....	.60	.18	.08	.06	.20	.10	.06	.30	....	....	....	....	.06	....	....	.24	....	....	....	....	....	....	.12	....	....	....	2.15
unt Pocono	Upper Del	....	....	....	.06	....	1.60	T.	....	.60	T.	2.10	T.	.30	....	....	....	....	....	....	....	T.	T.	....	....	....	....	....	....	....	T.	....	4.66
ncy Valley	W. Br. Susq	....	.67	T.	....	....	1.41	.15	T.	T.	.40	.30	.19	T.	....	....	.22	T.	T.	T.	....	.08	....	....	....	....	....	....	T.	....	T.	....	3.42
shaminy‖	Lower Del	.11	.15	.06	....	.37	1.25	.05	....	.40	.20	.12	.18	.04	T.	.03	.05	....	....	....	....	.01	....	....	....	....	.02	....	T.	....	....	....	3.04
w Park	Lower Susq	.04	.28	....	....	.10	1.32	.05	....	.30	.57	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.76
wport‖	Juniata	....	.08	.36	....	....	1.40	.16	.20	....	.72	.12	T.	.07	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	.02	....	....	....	3.13
lmerton‡	Lehigh	.05	.12	....	....	.33	2.38	.06	T.	.56	....	.04	.18	....	.01	.01	.11	T.	....	....	....	.24	....	....	....	....	.02	....	....	.08	.34	....	4.53
upack‖	Upper Del	....	.30	.17	....	....	.95	....	.18	.10	.30	.02	....	.25	.08	.08	.10	....	....	....	....	....	.15	....	....	....	T.	....	....	....	.24	....	2.92
iladelphia***	Lower Del	.03	.27	.05	....	.30	.61	.01	....	.41	33	.07	.11	.01	T.	.01	.04	....	....	....	....	T.	....	....	....	....	T.	....	....	....	....	....	2.25
ila. Navy Yard‖	....do	....	.06	.30	T.	....	1.25	.09	.01	....	.48	.38	....	.16	.02	.02	T.	....	....	....	....	....	.09	....	....	....	....	.01	....	....	....	....	2.87
ila-P'nt Breeze.‡	Lower Del	....	.05	.08	T.	....	1.55	T.	T.	.45	....	*	.48	.10	....	....	....	....	....	....	....	....	....	....	....	....	T.	T.	T.	....	....	....	2.71
oenixville	Schuylkill	....	.27	.19	....	....	1.52	.03	....	.14	.28	.24	.05	.14	....	T.	.15	....	....	....	....	T.	T.	....	....	....	T.	....	.01	....	....	....	3.02
ne Grove	Lower Susq	.10	.18	....	....	1.00	1.88	.18	....	.50	.20	.08	.10	.10	T.	.08	.02	.03	....	T.	....	.22	....	....	....	....	.01	....	T.	.35	.11	....	5.14
easant Mt.‖	Upper Del	....	.69	....	....	....	.73	.46	....	.50	....	....	....	.65	.23	.11	....	....	....	....	....	.78	....	....	....	....	....	....	....	....	....	....	4.15
ttstown	Schuylkill	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
ttsville	Schuylkill	....	.37	T.	T.	T.	2.37	.17	.05	.07	.47	.14	.10	.09	T.	T.	.03	T.	....	....	....	.02	.17	....	....	....	T.	....	T.	....	.13	....	4.18
akertown	Lower Del	....	.34	.13	....	T.	1.97	.11	....	.12	.31	.25	.07	.21	....	.04	.02	....	....	....	....	....	.07	....	....	....	.01	....	....	....	....	....	3.65
ading***	Schuylkill	.09	.26	T.	....	.33	.67	.04	....	.32	.03	.19	.16	.01	.01	T.	.06	T.	....	....	....	.08	....	....	....	....	.01	T.	.03	.01	.11	....	2.41
novo.‖	W. Br. Susq	....	.20	.34	....	....	.62	....	.05	....	.22	.20	....	.08	....	.03	.21	....	.02	....	....	.05	.10	....	....	....	....	....	.02	.14	.03	....	2.31
treat	N. Br. Susq	....	.59	....	....	.03	1.46	.24	....	.11	.39	.17	....	.08	....	....	.11	....	....	....	....	.36	....	....	....	....	T.	....	....	.02	.31	....	3.87
anton***	....do	.05	.34	T.	....	.04	.86	.21	....	.24	T.	.17	.01	T	.01	.07	.03	T.	T.	T.	....	.36	....	....	....	....	T.	....	T.	.26	.20	..	2.85
linsgrove	Lower Susq	....	.40	.04	.02	....	1.62	.31	....	.40	.48	.14	.05	.09	....	.05	.12	.02	....	.01	....	.01	....	....	....	....	....	....	....	.05	.08	....	3.89
awmont	Schuylkill	....	.25	.06	....	....	1.24	.03	....	.19	.30	.33	.05	.17	....	.01	.08	....	....	....	....	T.	T	....	....	....	....	....	T.	....	....	....	2.71
ippensburg	Lower Susq	....	.49	.05	T.	.01	2.15	.20	T.	.35	.16	.22	.07	T.	T.	.05	.04	....	....	....	....	T	.01	....	....	....	.04	....	.01	....	.05	....	3.90
te College	W. Br. Susq	.03	.62	T.	T.	T	1.13	.13	T.	.38	.11	.10	.09	.04	T.	T.	.07	T	T.	T.	....	.03	....	....	....	....	....	T.	T.	.02	T.	....	2.75
oudsburg‖	Upper Del	....	....	....	....	....	1.05	1.12	.54	T.	....	....	....	.36	.08	.41	....	....	T.	....	....	....	....	....	....	....	.11	....	....	....	.15	....	3.82
nbury‖	Lower Susq	....	.48	.18	....	....	1.49	.07	.13	....	.26	.02	.24	.05	.08	....	.04	....	T.	....	....	....	.03	....	....	....	....	....	....	....	....	....	3.07
squehanna‖	N. Br. Susq	T.	.22	.13	T.	....	.42	....	.19	....	.21	.06	.19	.73	.07	.13	....	....	T.	.05	.02	T.	.26	....	....	....	T.	....	....	....	....	....	2.68
wanda	....do	T.	.31	T.	T.	T.	22	.04	.03	.20	.06	.14	.15	.28	.01	.02	T.	T	.04	.08	.01	.23	T.	....	....	....	.01	....	.17	.01	T.	....	2.01
eikert	Lower Susq	....	.45	....	....	....	1.15	.40	....	.30	....	.34	.12	.10	....	.05	....	....	.04	....	....	.10	....	....	....	....	....	....	.12	....	.10	..	3.27
llsboro	W. Br. Susq	T	.25	T.	....	T.	.57	T.	T.	.20	.05	....	.09	.08	T.	....	T.	....	T.	....	....	.13	....	....	....	....	....	....	.21	.01	.01	....	1.60
st Chester	Lower Del	....	.32	.22	....	.16	1.20	.08	....	.31	.17	.35	.06	.26	....	.01	.08	....	T.	....	....	T.	T.	....	....	....	T.	....	T.	....	....	....	3.22
stgrove‖	....do	....	....	.40	T.	....	1.32	.18	....	.45	.32	....	....	.12	.02	.02	T.	....	....	....	....	....	T.	....	....	....	....	.02	....	....	....	....	2.85
lkes-Barre‖	N. Br. Susq	.02	.23	.15	T.	....	1.01	.02	....	.28	.32	T.	T.	.22	T.	T.	.06	....	....	.02	.02	T.	.39	....	....	....	....	....	....	....	.10	....	2.84
lliamsport‖	W. Br. Susq	....	.38	.21	....	....	.54	....	T.	....	.48	.13	.17	.10	T.	....	.07	T.	....	....	....	....	.13	....	....	....	....	....	.02	.05	....	....	2.28
lliamstown	Susquehanna	....	.35	.02	....	....	1.38	.33	....	.15	....	.32	.14	.04	....	....	.07	T.	T.	....	....	.04	.37	....	....	....	....	....	T.	....	....	....	3.21
rk	Lower Susq	....	.30	.32	....	T.	1.47	.05	T.	.28	.18	.25	.02	.13	T.	.02	T.	....	....	....	....	....	.02	....	....	....	....	....	.12	....	....	....	3.16
rk Haven‖	Lower Susq	....	.14	.29	....	....	1.87	....	....	....	.44	.28	....	1.28	....	.02	.03	....	....	....	....	....	.03	....	....	....	....	....	....	....	....	....	4.38
nsville..(near)	Schuylkill	....	.38	.09	....	.03	2.42	.07	....	.06	.40	.22	.10	.21	....	....	....	....	....	....	....	.04	.03	....	....	....	....	....	.04	....	....	....	4.09
enton, N. J***	Lower Del	.04	.17	.07	....	.28	.68	.03	....	.32	.22	.13	.08	.03	T.	.01	.04	T.	T.	....	....	.01	....	....	....	....	T.	T.	T.	....	....	....	2.11

Continued on page 19.

Daily Precipitation for April, 1936—Continued from page 18

Stations	Draiuage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Dam‖‖	Ohio	....	.56	.01	T.	....	.43	.05	.02	....	.18	.11	T.	....	.01	.10	.01	T.	T.	....	....	.02	.26	....	....	....	.02	....	.02	.02	.02	....	1.
Beaver Falls‖‖	Beaver	....	.64	T.	.02	....	.34	T.	.02	....	.14	.07	T.	....	....	.02	T.	.02	T.	....	....	.04	.18	....	....	....	T.	T.	T.	.02	.02	....	1.
Bradford	Allegheny	....	.15	T.	....	....	.89	T.	.10	.05	.10	.18	.26	....	....	....	.06	.01	.04	.10	....	.58	....	....	....	....	....	....	T.	.67	.22	....	3.
Brookville	....do	....	.88	.12	.07	....	.61	.05	.12	.22	....	.13	.08	.04	....	.02	.12	.05	T.	T.	....	.18	.23	....	....	....	....	....	.03	.09	.07	....	3.
Butler	Ohio	....	1.09	.03	.01	....	.59	T.	....	.35	....	.22	T.	....	.09	.06	T.	.03	....	....	....	.35	....	....	....	....	....	....	....	.07	.04	....	2.
Chambersville	Allegheny	T.	.28	T.	.01	.01	.86	.03	T.	.16	.04	.41	.02	....	.02	T.	.01	.02	....	....	....	.33	....	....	....	....	.07	.01	.09	.02	.15	....	2.
Clairton‡	Monongahela	T.	.14	.03	....	.80	.25	.03	....	.40	....	.13	T.	.02	.02	T.	....	.01	T.	....	....	.32	....	....	....	....	.05	.03	....	....	.05	....	2.
Claysville	Ohio	.15	.06	.04	T.	.14	1.21	.01	T.	.44	.09	.15	....	.01	.02	.01	T.	T.	.01	....	....	.48	....	....	....	....	.01	.06	.01	....	.06	....	2.
Confluence‖‖	Youghiogheny	....	.38	.06	....	....	1.50	.05	....	....	.55	.27	....	.05	.05	....	.10	....	....	....	....	....	.25	....	....	....	.08	.15	....	.05	....	....	3.
Corry	Allegheny	....	.11	.12	....	.54	.46	.08	....	.13	.09	.09	.41	....	.01	.01	.05	.14	.06	.04	....	.67	.34	....	....	....	....	....	.28	1.71	.15	....	5.
Derry	Couemaugh	.03	.26	.07	.03	.03	1.15	.10	T.	.46	.04	.27	....	.06	.05	.03	....	T.	....	....	....	.58	....	....	....	....	05	.04	T.	....	.04	....	3.
Donora‖‖	Monongahela	T.	.29	T.	....	.01	1.35	.02	.02	.02	.45	.14	T	....	.02	....	T.	....	.01	T.	....	....	.17	T.	....	....	.02	....	.05	....	.03	....	2.
Ebeusburg	Conemaugh	.04	.33	T.	.06	....	.45	.05	.15	.28	.28	.31	.10	T.	.06	.06	.02	.03	.02	.03	....	.25	....	....	....	....	....	.14	....	.11	....	....	2.
Elk Lick	Youghiogheny	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Franklin‖‖	Allegheny	....	.35	....	.04	....	.58	....	.33	....	.50	.11	.07	.05	....	....	.10	.08	.05	....	....	.26	.30	....	....	....	....	....	....	.31	.11	....	3.
Greensboro‖‖	Monongahela	....	.53	.02	.06	....	1.30	.01	.06	....	.55	.10	T.	.01	.02	T.	T.	T.	T.	....	....	....	.46	....	....	....	.01	....	.13	....	.02	....	3.
Greensburg	Youghiogheny	.03	.28	.06	.04	.04	1.21	.07	.01	.36	.10	.17	.02	T	.03	T	.01	T.	.01	T.	....	.49	....	....	....	....	.02	.05	T.	....	.13	....	3.
Greenville	Beaver	T.	.05	.05	T.	T.	.54	T.	.18	.05	.30	.10	.18	....	.01	....	T.	.06	.01	....	....	.46	....	....	....	....	T.	....	.65	.40	.10	....	3.
Grove City	....do	T.	.32	.01	T.	T.	.54	T.	....	....	.01	T.	.10	....	T.	....	.02	T.	T.	....	....	.47	....	....	....	....	T.	....	T.	.17	.01	....	1.
Herrs Isl. Dam‖‖	Ohio	....	.16	.07	T.	....	.83	.08	....	....	.29	.12	T.	T.	T.	.07	.01	T.	.02	....	....	....	.18	....	....	....	.02	....	.08	T.	.07	....	2.
Irwiu	Monongahela	.03	.30	.06	T.	.08	1.16	.02	.01	.30	.15	.15	.03	.06	.02	....	.02	T	.02	T.	....	.42	.01	....	....	....	.04	.06	T.	....	.08	....	3.
Johnstown	Couemaugh	....	.43	.48	.03	....	1.36	T.	.05	....	.71	.20	.05	.05	....	.10	....	T.	T.	....	.07	....	.28	....	....	....	T.	.04	.02	....	....	....	3.
Kane (near) ‡‡	Allegheny	T.	.46	.08	....	T.	.96	.02	.27	.08	.45	.18	.10	.02	T.	....	.13	.06	.06	.01	.01	.44	T.	....	....	....	.04	....	T.	.21	.09	....	3
Kregar‖‖	Youghiogheny	.21	.10	.10	....	1.40	.08	.06	....	.41	.30	.05	.03	T.	.05	....	....	.12	.04	T	....	.30	....	....	....	....	.04	.04	....	....	T.	....	3.
Lake Lynn‖‖	Monongahela	....	.29	.02	.03	....	1.12	.02	.05	....	.44	.12	.04	.06	.02	....	....	....	....	....	....	....	....	.46	....	....	....	.07	.10	.31	.02	....	3.
Linesville‖‖	Beaver	....	.17	.11		....	.52	...	.08	....	.25	.19	.21	....	....	....	....	....	....	....	....	.28	.11	....	....	....	....	.19	.16	.38	....	....	2.
Lock No 2‖‖	Ohio	....	.28	.03	T.	....	.67	.05	.02	....	.27	.11	.02	....	....	.14	T.	....	T.	....	....	....	....	....	....	....	.06	....	.04	....	.07	...	1.
Lock No. 4‖‖	Monongahela	....	.28	.02	T.	....	1.32	.04	.02	...	.49	.15	.02	T.	....	.02	....	....	T.	T.	....	....	.42	....	....	....	T.	.03	.06	....	.03	....	2.
Lock No. 5‡‡‖‖	Allegheny	....	.55	T.	.08	....	.90	.04	T.	....	.25	.10	.05	T.	T.	.12	.01	.03	....	T.	....	.02	.29	....	....	....	.03	....	.01	.02	.07	....	2.
Lycippus	Conemaugh	.04	.13	.11	.02	.05	.98	.10	....	.38	.16	.31	....	T.	.04	T.	T.	T.	.02	....	....	.30	....	....	....	....	....	.05	.06	....	T.	....	2.
McKeesport‖‖	Monongahela	....	.10	.01	.02	....	.96	T.	....	....	.30	.04	T.	....	T.	....	....	....	T.	...	....	....	.33	....	....	....	.01	....	T.	...	T.	....	1.
Meadville	Allegheny	....	.09	.08	.02	....	.59	.05	.07	T.	.26	....	.34	....	....	....	....	T.	.05	....	....	.33	....	....	....	....	....	....	.24	.82	.08	....	3.
Mosgrove‖‖	....do	....	.78	.02	.02	....	.70	.02	.02	....	.13	.10	.05	....	....	.01	.02	.01	T.	....	....	.05	.25	....	....	....	.01	....	.02	T.	....	....	2.
Mount Lebanon	Ohio	.06	.02	.08	....	.31	.67	T.	....	.34	....	.12	T	T.	T.	.04	T.	.02	T.	....	....	.35	....	....	....	....	T.	.02	.10	....	.09	....	2.
Natrona‖‖	Allegheny	....	.26	.03	.03	....	.97	.06	.02	....	.25	.12	.04	....	T.	.06	T.	.01	....	....	....	.01	.25	....	....	....	.05	....	.05	...	.04	....	2.
New Castle‖‖	Beaver	....	.34	.01	.02	....	.44	....	.02	....	.15	.11	....	....	....	.03	.04	.01	.02	....	....	.13	.18	T.	....	....	.01	....	T.	.23	.03	....	1.
Newell	Monongahela	....	.30	....	.02	.08	1.42	T.	.01	.02	.48	.15	T	T.	T	T.	....	....	.02	.03	....	....	T.	.40	....	....	....	....	.09	....	.01	....	3.
Parkers Lauding‖‖	Allegheny	....	.84	.06	T.	....	.20	T.	.02	....	.18	.16	.08	T.	....	T.	.17	.02	T.	T.	....	.17	.16	....	....	....	T.	....	T	.12	.05	....	2.
Pennline‖‖‡‡	Beaver	....	.13	.04	.01	T.	.53	.03	.02	....	.34	....	.30	.02	....	....	.03	.02	.03	.03	T.	.03	.10	....	....	....	....	...	.09	.50	.05	....	2.
Pittsburgh***	Ohio	.03	.10	.04	T	.67	.35	T.	....	.33	T.	.12	T.	.04	.01	T.	T.	.03	T.	T.	....	.23	....	....	....	T.	.02	.04	.04	T.	.06	....	2.
Punxsutawney‖‖	Allegheny	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ridgway	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	.09	.02	.02	.. .	.22	.26	....	....	....	.09	....	T.	.24	.08	....	§
Saltsburg‖‖	Conemaugh	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sharon‖‖	Beaver	....	.20	.06	.02	....	.58	....	.02	....	.23	.06	....	.05	....	....	....	T.	....	....	....	.23	.21	....	....	....	....	....	....	.43	.24	....	2.
Smethport‖‖	Allegheny	....	T.	.02	.05	....	.59	T.	.15	....	.05	.20	T.	.02	T.	T	....	T.	T.	T.	T	.02	....	....	....	....	....	....	....	.25	.10	....	1.
Somerset	Youghiogheny	06	.21	.10	.01	.12	1.42	.08	....	.41	.12	.82	.12	.04	T.	....	T.	T.	.15	....	....	.12	.05	....	....	....	T.	.12	....	....	....	....	3.
Springdale‖‖‡‡	Allegheny	T.	.22	.04	.02	....	.89	.07	.02	....	.18	.13	.03	.01	.02	.06	....	.01	T.	....	....	T.	.26	....	....	....	.04	....	.07	T.	.05	....	2.
Uniontown	Monongahela	.15	.25	.08	....	.17	1.31	.09	.01	.36	.09	.26	.01	.01	.02	....	T.	T.	....	....	T	.23	.03	....	....	....	.10	.11	....	....	.03	....	3.
Unity Reservoir‡‡	Youghiogheny	T	.25	.08	.03	.05	.92	.12	.02	.23	.18	.21	.02	T.	.04	T.	.02	T.	.02	T	T.	.55	....	....	....	....	.05	.03	....	....	.02	....	2.
Vandergrift‡	Conemaugh	....	.03	.01	....	.30	.20	T.	....	.14	....	....	.04	.01	.05	....	T.	....	....	.02	....	.32	....	....	....	....	.06	.03	.07	.06	.09	....	1.
Warren	Allegheny	....	.09	.30	....	.15	.64	.30	.10	....	.19	.12	.08	.18	....	.03	.16	.10	.10	....	....	T.	....	....	....	....	....	....	....	.78	.42	....	3.
Waynesburg	Monongahela	.25	.24	....	....	.17	1.41	....	....	.55	.08	.13	....	.03	....	....	....	....	....	....	....	.28	.16	....	....	....	.06	.15	....	....	....	....	3.
Westford‖‖	Beaver	10	.05	....	.45	....	....	.06	.35	....	.28	....	....	....	.01	....	....	T.	....	....	.12	T.	....	....	....	....	....	....	1.10	.08	....	....	2.
West Newton‖‖	Youghiogheny	....	.29	.01	.07	....	1.25	.02	T	....	.45	.11	T.	....	....	T.	T.	....	.05	....	....	....	.33	....	....	....	.06	.08	.02	....	T.	....	2.
Lake Drainage.																																	
Erie***	Lake Erie	.18	.04	T.	T.	.09	.20	.21	....	.06	T.	.02	.55	....	T.	.02	T.	.06	.15	T.	.07	.48	....	....	....	T.	....	T	.52	.25	.07	....	2.

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount theu recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete r missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, inesville; of Uuity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	Percentage of sunshine
Erie	30.02	30.48	24	29.33	2	12.5	38	s.	5	80	72	75	40
Harrisburg	30.03	30.50	9	29.41	2	8.9	28	w.	16	65	53	61	49
Philadelphia	30.05	30.55	9	29.44	2	13.9	46	s.	6	68	54	57	53
Pittsburgh	30.02	30.50	8	29.39	2	12.1	49	nw.	15	72	57	61	46
Reading	30.04	30.54	9	29.43	2	13.5	49	sw.	6	64	50	56	45
Scranton	30.01	30.51	9	29.43	2	7.5	25	nw.	21	68	53	60	48

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	5.2	7.6	7	3.6	30	1
Phillipsburg	Delaware	6.3	11.6	7	3.0	30	2
Lehighton	Lehigh	4.3	5.6	7	3.3	30	
Wilkes-Barre	Susquehanna	9.2	12.6	14	5.3	30	2
Williamsport	Susquehanna	5.4	9.0	8	2.6	29	2
Harrisburg	Susquehanna	6.8	9.1	8	4.7	30	1
Greensboro	Monongahela	14.1	31.0	7	11.2	28	3
West Newton	Youghiogheny	2.9	11.0	7	1.0	27	2
Lock No.4	Monongahela	15.2	28.8	7	11.8	27	3
Pittsburgh	Ohio	*	25.5*	7	12.4*	28	2
Beaver Dam	Ohio	*	29.5*	7	14.7*	29	3

* —Pool stage.

Daily Temperatures for April, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	46	46	42	40	45	58	39	42	38	52	49	50	52	60	71	63	42	42	41	71	70	44	57	54	62	60	55	73	79	77	....	54.0
	Minimum	29	36	24	20	31	39	30	21	27	33	42	34	37	29	42	39	33	32	33	33	34	21	23	33	29	43	32	42	50	52	....	33.4
Bedford	Maximum	47	47	46	43	54	62	48	45	45	57	55	50	54	63	75	73	43	43	43	73	77	45	61	61	66	64	69	80	83	81	....	58.1
	Minimum	31	40	27	23	34	36	33	23	27	35	44	40	35	27	41	40	35	32	37	32	42	26	23	32	29	44	31	38	46	53	....	34.5
Bethlehem	Maximum	52	47	42	45	51	69	66	47	47	50	53	53	54	60	76	76	46	45	51	66	78	58	60	57	56	62	63	68	84	84	....	58.9
	Minimum	32	35	34	28	38	44	38	28	31	33	41	40	40	35	46	46	34	34	38	39	50	32	30	39	29	40	35	40	54	58	....	38.0
Brookville	Maximum	42	50	50	33	40	54	55	41	42	44	53	44	45	54	59	68	44	41	46	46	71	62	41	55	53	70	57	64	79	78	....	52.7
	Minimum	24	29	22	14	26	38	23	17	22	28	37	34	32	22	30	35	31	31	33	32	44	26	17	26	28	45	26	36	51	52	....	30.4
Butler	Maximum	50	51	49	40	52	52	41	41	47	56	55	50	58	57	66	65	41	40	43	72	66	38	55	55	69	71	63	77	78	78	....	55.9
	Minimum	29	30	25	21	29	34	30	22	25	39	40	35	30	25	41	35	32	31	35	40	35	24	19	31	30	40	36	45	55	58	....	33.4
Carlisle	Maximum	49	45	45	47	53	72	63	51	43	48	58	54	58	64	80	77	51	47	55	76	82	55	62	62	62	70	64	75	82	86	....	61.2
	Minimum	34	39	32	28	38	45	36	27	28	33	43	35	38	32	42	47	38	30	38	36	48	32	30	37	27	45	33	44	51	56	....	37.4
Catawissa	Maximum	49	45	40	45	50	66	54	48	47	53	54	52	55	60	76	70	44	52	47	69	74	54	62	56	63	65	68	70	84	87	....	58.7
	Minimum	35	30	30	28	36	45	34	26	28	34	35	36	40	28	30	40	35	39	36	37	38	31	27	35	36	26	32	46	57	56	....	35.5
Chambersburg	Maximum	54	47	47	46	54	70	56	48	45	51	56	58	58	62	81	73	49	48	52	76	81	53	61	60	64	66	61	79	84	88	....	60.9
	Minimum	34	40	30	27	36	46	36	27	30	35	44	39	40	30	43	47	39	30	38	36	44	33	29	36	31	44	34	41	50	56	....	37.5
Chambersville	Maximum	51	56	44	41	49	59	43	43	47	57	57	53	56	64	69	61	44	41	46	72	67	45	56	54	71	68	61	80	80	80	....	57.2
	Minimum	25	37	24	19	30	34	29	19	25	36	39	38	30	23	47	33	30	27	32	34	31	25	18	28	29	42	28	44	56	56	....	32.3
Claysville	Maximum	51	55	39	41	51	53	45	49	48	60	56	54	55	65	72	70	44	41	46	74	72	45	58	58	75	74	57	78	80	82	....	58.3
	Minimum	31	32	24	20	33	39	31	20	28	38	41	42	29	29	54	39	50	32	33	36	32	18	19	27	33	42	36	51	54	57	....	34.3
Clearfield	Maximum	58	48	45	42	47	56	47	47	48	49	46	46	54	54	71	70	64	54	45	72	60	50	58	62	66	63	62	82	83	82	....	57.7
	Minimum	27	35	23	20	30	39	26	20	24	32	40	35	35	21	25	34	32	34	32	33	34	28	20	30	30	45	28	38	54	56	....	32.0
Coatesville	Maximum	49	45	45	45	55	71	58	47	46	52	58	55	57	63	78	67	50	51	54	71	81	53	59	54	60	69	65	72	83	84	....	59.9
	Minimum	32	37	33	28	35	45	38	27	28	34	40	36	42	33	45	46	33	32	36	38	49	35	30	37	29	39	34	42	52	52	....	37.2
Corry	Maximum	45	50	36	37	48	40	38	47	40	50	47	46	51	54	61	57	35	37	39	67	66	48	48	50	56	60	67	68	73	70	....	51.0
	Minimum	25	31	19	17	33	27	20	25	15	33	36	35	30	25	42	30	28	31	30	28	24	27	36	35	36	47	40	45	54	55	....	32.0
Emporium	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Erie*	Maximum	33	49	31	34	49	50	38	38	50	45	45	45	48	60	61	42	39	37	45	66	60	36	46	41	64	65	66	72	74	72	....	50.0
	Minimum	27	29	24	25	33	31	24	23	35	34	36	36	35	36	40	34	32	32	35	44	31	30	30	32	36	37	36	50	60	55	....	34.7
Franklin‡	Maximum	50	54	34	40	52	53	42	47	47	58	45	46	57	60	70	43	40	41	52	76	48	45	55	55	70	58	67	78	77	78	....	54.6
	Minimum	25	31	24	20	28	35	23	20	25	32	37	38	30	26	35	35	32	31	33	36	43	25	20	29	28	38	28	40	53	54	....	31.8
Freeland	Maximum	44	38	39	40	41	56	52	40	38	44	48	45	44	53	70	66	38	38	44	64	69	45	53	49	51	55	57	62	75	78	....	51.2
	Minimum	24	29	25	20	30	39	30	19	29	29	37	35	32	29	44	37	29	30	31	32	38	24	24	31	25	40	31	38	53	55	....	32.3
Gettysburg	Maximum	50	46	46	46	55	69	60	59	45	49	58	52	59	62	85	76	51	49	52	76	80	56	60	58	62	69	65	74	82	85	....	61.2
	Minimum	34	39	33	28	31	45	39	27	30	36	42	35	38	33	48	48	38	32	39	37	54	34	32	37	31	43	36	42	53	56	....	38.3
Greensburg	Maximum	60	72	44	39	59	55	59	43	52	60	66	48	53	60	72	66	44	44	43	72	70	44	59	54	75	77	57	80	80	81	....	59.6
	Minimum	30	43	22	22	32	39	26	22	30	40	41	42	34	30	52	35	30	32	34	29	33	26	25	31	34	42	35	46	58	60	....	35.2
Grove City	Maximum	45	51	58	37	49	50	40	44	45	54	51	48	54	53	64	62	42	45	48	78	70	41	54	55	68	67	59	73	74	75	....	54.5
	Minimum	26	37	19	25	31	32	29	20	30	36	37	38	34	37	31	32	31	30	29	39	30	23	25	33	33	37	34	35	56	58	....	32.9
Hamburg	Maximum	49	44	45	48	52	69	61	48	48	49	56	52	53	61	79	76	48	47	53	71	82	53	60	56	59	65	64	71	83	87	....	59.6
	Minimum	32	35	33	28	35	43	36	27	29	32	41	34	41	33	47	46	37	33	38	36	46	33	30	39	27	42	36	40	55	57	....	37.4
Harrisburg*	Maximum	46	46	43	45	52	68	46	48	44	50	55	52	55	62	77	64	47	46	51	73	80	52	59	53	60	67	61	71	80	84	....	57.9
	Minimum	35	38	33	29	39	44	33	29	34	34	42	42	42	36	47	40	37	34	40	40	41	34	34	41	34	46	41	45	56	58	....	39.3
Hawley	Maximum	48	44	39	43	45	65	58	42	46	43	48	48	49	61	75	67	40	44	47	61	68	48	56	52	57	55	65	67	81	82	....	54.8
	Minimum	26	31	30	23	29	39	29	22	20	31	39	37	35	26	41	39	33	33	34	29	38	26	20	33	18	42	23	39	49	56	....	32.3
Holtwood	Maximum	48	47	46	45	51	69	55	46	45	50	54	51	55	61	80	66	48	46	51	75	79	52	61	54	59	66	61	72	77	81	....	58.4
	Minimum	39	42	37	34	38	46	42	31	36	38	44	37	44	37	50	47	39	37	41	42	46	38	37	42	36	48	39	46	58	55	....	41.5
Huntingdon	Maximum	50	45	47	46	50	64	45	47	43	57	52	53	55	62	75	65	46	45	47	73	75	50	60	59	64	64	63	79	84	82	....	58.2
	Minimum	31	41	29	26	31	44	34	26	24	35	44	36	38	26	39	39	35	35	38	33	38	38	23	37	26	41	30	42	50	55	....	35.5
Johnstown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lancaster	Maximum	52	48	46	48	50	67	66	48	47	52	55	56	53	64	75	72	52	48	52	74	74	57	60	59	58	69	66	70	79	84	....	60.0
	Minimum	33	39	34	28	36	45	39	28	28	35	42	32	42	30	44	49	34	32	37	35	45	34	28	31	25	37	31	41	50	50	....	36.5
Lawrenceville	Maximum	50	46	43	45	48	59	45	45	51	45	52	46	50	57	69	63	41	41	46	67	63	51	59	55	60	62	74	81	80	75	....	55.6
	Minimum	25	33	25	23	30	40	27	20	24	31	40	37	36	25	40	34	32	31	34	32	38	24	23	29	20	25	46	52	50	52	....	32.6
Lebanon‡	Maximum	47	41	41	48	57	71	44	49	46	50	57	54	57	64	80	54	48	48	53	73	80	54	60	54	60	67	64	70	82	85	....	58.7
	Minimum	33	37	33	27	33	39	38	27	29	33	38	34	42	30	47	48	35	30	36	35	46	33	31	39	28	43	34	42	49	57	....	36.9
Marcus Hook*	Maximum	51	48	47	53	70	69	48	49	52	58	59	56	63	77	77	53	53	62	66	85	77	62	58	61	66	69	72	84	83	83	....	63.7
	Minimum	40	37	32	40	48	41	30	38	38	42	43	38	48	48	52	42	38	39	41	56	40	35	42	36	45	42	44	55	56	58	....	42.8
Meadville	Maximum	47	49	40	40	50	50	41	40	48	55	53	44	51	55	63	64	40	39	47	73	72	39	49	52	67	61	66	73	73	74	....	53.8
	Minimum	27	37	23	21	30	33	22	21	30	37	38	39	31	30	47	33	32	31	34	40	32	25	23	29	30	36	30	48	57	57	....	33.4
Montrose	Maximum	45	42	38	40	44	56	45	39	44	44	47	49	45	55	66	58	36	37	43	58	58	43	52	47	56	49	64	68	77	76	....	50.7
	Minimum	41	38	26	26	34	42	33	33	32	32	42	42	38	38	42	35	34	34	35	39	36	36	36	36	36	45	45	56	58	66	....	38.9
Mount Pocono	Maximum	48	50	46	44	42	59	49	38	39	42	48	45	45	52	69	59	44	38	42	61	69	43	53	51	52	52	59	61	76	77	....	51.8
	Minimum	25	30	31	30	32	41	32	21	27	30	38	38	35	30	43	37	30	31	32	32	38	26	26	33	26	39	32	39	45	58	....	33.6
Philadelphia*	Maximum	51	47	44	48	52	69	52	49	46	50	58	50	56	61	75	65	49	48	53	67	83	53	60	57	59	66	64	73	82	83	....	59.0
	Minimum	38	39	33	32	40	52	40	31	37	37	42	42	42	42	50	43	39	36	40	41	45	40	36	43	38	44	43	43	56	56	....	41.3
Pittsburgh*	Maximum	50	54	33	88	50	55	44	45	44	58	50	48	53	59	70	63	43	39	45	72	68	42	54	53	71	61	54	77	78	78	....	55.0
	Minimum	29	31	24	21	34	33	25	22	34	42	41	40	38	34	57	35	31	32	35	39	30	26	26	34	36	41	38	50	59	60	....	35.9
Quakertown	Maximum	51	47	42	46	50	68	65	46	45	49	53	53	53	61	76	73	49	47	52	67	77	54	59	56	58	57	63	69	82	83	....	58.4
	Minimum	30	36	34	27	35	44	37	27	25	34	41	35	40	31	39	45	35	32	36	43	50	31	29	34	24	36	31	40	49	54	....	36.1
Reading*	Maximum	46	43	41	46	53	69	46	47	49	52	55	52	54	64	78	64	47	47	53	71	78	52	59	52	59	66	64	72	80	85	....	58.1
	Minimum	36	36	32	29	40	46	31	28	35	37	41	41	42	39	51	40	39	35	38	40	43	35	35	41	33	45	40	44	58	60	....	39.7
Ridgway‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Scranton*	Maximum	50	44	42	43	49	64	39	43	47	50	52	53	49	57	73	64	42	44	48	65	70	48	57	47	60	56	67	73	82	81	....	55.0
	Minimum	29	36	29	27	38	39	32	25	29	34	43	42	38	35	50	38	34	36	38	38	36	30	30	33	28	41	32	46	58	61	....	36.8
Selinsgrove	Maximum	48	45	44	46	50	67	55	47	45	50	53	50	53	68	76	74	47	46	52	72	76	52	57	56	58	60	59	70	81	82	....	58.0
	Minimum	31	38	30	27	37	44	32	26	27	32	41	37	40	29	49	44	37	35	34	33	50	29	26	39	35	38	40	46	50	55	....	37.0
Somerset	Maximum	46	55	39	36	47	55	38	41	40	59	54	45	46	56	69	64	40	35	37	67	69	40	55	51	65	62	50	76	76	75	....	52.9
	Minimum	28	37	21	17	30	38	28	17	24	34	37	37	29	23	44	33	28	24	30	30	31	21	17	24	25	43	25	40	41	50	....	30.2
State College	Maximum	47	50	39	43	46	60	44	45	42	47	50	50	50	60	72	60	44	43	46	71	70	49	58	53	61	60	61	74	80	76	. .	55.0
	Minimum	28	36	26	22	32	41	29	22	26	32	42	37	35	30	43	37	32	30	33	35	37	26	24	31	27	37	32	44	45	58	....	33.6
Stroudsburg‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Towanda	Maximum	48	44	45	45	50	62	41	44	49	47	53	51	50	61	71	59	40	42	48	66	63	48	57	48	59	57	67	74	81	79	....	55.0
	Minimum	27	35	28	25	32	40	33	24	24	34	42	39	37	28	44	32	32	34	35	31	38	27	23	32	21	40	25	47	54	58	....	34.0
Uniontown	Maximum	57	60	41	40	53	56	43	46	44	61	58	52	54	61	74	68	44	41	43	73	76	44	55	56	73	68	54	79	82	78	....	57.8
	Minimum	33	41	28	22	36	42	34	23	29	42	44	44	34	29	51	42	32	33	35	38	33	24	23	23	37	44	37	52	60	58	....	36.8
Vandergrift*	Maximum	63	58	38	39	52	59	47	44	48	58	46	52	54	62	71	66	47	41	46	77	69	44	58	57	71	62	62	82	82	81	....	57.9
	Minimum	30	35	28	25	24	34	29	25	29	42	39	36	35	29	45	38	33	32	36	40	32	27	24	32	34	40	36	43	56	59	....	34.9
Warren	Maximum	45	44	40	30	47	47	38	36	44	46	47	44	42	48	58	45	37	36	41	60	60	37	42	44	58	50	58	64	68	69	....	47.5
	Minimum	40	36	27	23	29	38	27	19	29	36	40	40	37	35	36	34	31	30	35	40	37	26	24	30	28	30	30	46	53	55	....	34.0
Waynesburg	Maximum	49	49	45	38	53	52	42	46	46	59	58	52	52	62	70	70	44	46	46	71	71	45	57	57	73	73	57	75	77	79	....	57.1
	Minimum	32	39	27	22	34	41	33	22	29	39	42	44	32	28	52	40	31	32	33	36	33	24	23	29	33	34	36	51	53	59	....	35.4
Wellsboro	Maximum	50	43	43	46	46	57	40	67	48	48	52	57	50	58	69	64	38	42	46	73	62	61	60	49	61	60	66	73	80	72	....	56.0
	Minimum	34	32	24	21	28	38	25	19	23	36	39	35	35	32	42	34	31	30	32	30	37	22	19	27	19	40	23	43	53	53	....	31.9
Williamsport	Maximum	46	44	45	48	48	63	52	48	45	46	53	48	55	60	76	69	45	47	50	75	68	57	62	58	62	62	65	70	82	83	....	57.7
	Minimum	30	37	31	27	35	44	30	25	27	33	43	40	40	29	48	42	35	35	35	35	42	29	28	37	27	47	32	47	56	60	....	36.9
Williamstown	Maximum	46	42	42	42	50	66	58	45	42	41	51	50	51	59	74	68	45	46	50	69	76	50	56	57	59	69	64	67	79	84	....	56.6
	Minimum	28	32	26	22	33	39	30	21	28	30	35	36	35	32	40	36	32	30	33	35	46	27	28	36	29	42	36	39	54	52	....	34.1
York	Maximum	55	47	47	48	51	71	65	49	48	53	58	57	59	67	83	75	52	48	54	76	79	55	63	60	65	68	66	75	81	90	....	62.2
	Minimum	33	39	34	30	35	45	39	28	29	36	42	33	39	29	47	49	35	28	38	32	50	34	26	31	25	42	31	43	56	53	....	37.0

* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

NGS

ASTER

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

OL. XLI. MAY, 1936. No. 5.

GENERAL SUMMARY.

May was abnormally warm and dry, and was not wholly avorable for agriculture. The month opened unseasonably varm, and temperatures continued well above the normal at nost places during the first ten or twelve days. This condition vas followed by a short cold period that centered on the 15th, nd during which frost occurred generally in the northern counies, and in the mountain districts, with damage confined mostly o gardens and truck crops. The last four days of the month vere unseasonably cold, and light frost was reported in many laces. Light to moderate rains occurred in most regions on ix or seven dates, and generally totaled a little more than onealf of the May average. This deficiency continued a dry perid that began about the middle of April, and by the end of May he top soil was so dry in many regions that seeds did not germiate properly, and crops that were up grew very slowly. Up unil the middle of April a fairly large precipitation excess had acumulated since the first of the year, and on May 1st the crop eason seemed to be opening under generally favorable condiions except that it was about ten days late. As the month proressed without a sufficient supply of moisture, the soil dried ut rapidly. Small plants, and shallow rooting crops soon stoped growing, or grew very slowly, while new plantings failed to erminate, or else came up unevenly. Pastures and meadows ecame short and thin, and the first cutting of hay, excepting lfalfa, promised to be light. Corn planting began in the southrn counties about the 10th or 12th, and was finished in many egions at the close of the month, when the first plantings were p and were being cultivated. Stands were generally more or ess uneven due to irregular germination. Wheat and rye bean heading about the middle of the month, with rye in good ondition, and generally promising, while wheat in many reions was short of straw. Oats came up unevenly and spotted, nd grew slowly. A very small portion of the crop could be ated as good. The planting of truck crops was backward on ccount of low soil temperatures during April, and many tender lants were nipped by frost during the cold period in the midle of May. It became apparent early in the month that peaches nd plums had suffered much winterkilling, and that apples vere damaged in some regions. Later developments indicated hat peaches would be scarce, and that the apple crop would fall nuch below the ten-year average. Near the close of the month everal correspondents reported the arrival of the seventeen year ocusts, and some said "in swarms".

TEMPERATURE.

The mean temperature for the State, as shown by the reports rom 87 stations, was 62.8°, which is 3.3° above the 49-year normal for May. The highest monthly mean was 68.1°, at Marcus Hook, and the lowest was 54.2° at Gouldsboro. The highest temperature recorded during the month was 96° at Bethlehem on the 8th, at Mauch Chunk on the 13th, and at Phœnixville on the 8th, 9th, and 24th. The lowest temperature recorded was 24° at Brookville and Somerset on the 15th. The greatest daily range in temperature was 55° at Vandergrift on the 17th.

PRECIPITATION.

The average precipitation for the State, based on the reports from 141 well-distributed stations, was 2.09 inches, which is 1.79 inches less than the 49-year normal for May. The greatest monthly amount was 5.16 inches at Matamoras, while the least, 0.79 inch, was reported from McKeesport. The greatest amount reported in any 24 consecutive hours was 1.75 inches at Stroudsburg on the 13th.

There was no measurable snow during the month, but traces occurred at Montrose and Somerset on the 14th.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	57.3	91	24	4.24	T.	16	4	11	16
1889	60.4	96	25	5.91	0	11	11	9	11
1890	58.5	89	23	6.71	0	15	7	11	13
1891	57.3	93	20	2.12	0.2	8	10	10	11
1892	58.5	91	28	5.70	0	16	7	10	14
1893	57.9	93	26	5.54	0	12	11	8	12
1894	60.8	92	27	8.88	0	16	9	8	14
1895	60.6	102	22	2.68	0	9	13	10	8
1896	65.4	98	31	2.85	0	10	10	12	9
1897	57.7	88	25	5.24	T.	12	11	10	10
1898	60.0	94	22	5.11	0	15	8	9	14
1899	61.1	100	24	3.82	0	11	10	11	10
1900	60.4	96	20	2.79	T.	9	13	9	9
1901	58.9	91	28	5.56	0	15	8	9	14
1902	59.8	95	25	1.96	0	8	13	11	7
1903	61.8	94	18	1.67	0	7	16	9	6
1904	61.6	94	21	3.78	0	11	12	10	9
1905	60.8	93	22	2.59	0	12	11	9	11
1906	60.0	99	23	3.23	0	10	12	10	9
1907	54.8	91	19	3.08	0.1	11	11	9	11
1908	61.2	96	22	6.28	0.3	15	10	10	11
1909	59.2	92	23	2.90	0.1	10	12	10	9
1910	56.8	88	24	3.38	0	12	11	10	10
1911	65.2	99	20	1.97	0	7	17	10	4
1912	61.2	91	28	3.15	0	11	14	8	9
1913	58.5	93	21	3.86	0	10	13	8	10
1914	61.5	96	19	3.34	0	9	16	9	6
1915	56.2	84	21	4.16	0	14	10	8	13
1916	61.0	93	26	3.19	T.	13	12	11	8
1917	53.3	90	20	3.39	T.	13	9	10	12
1918	65.1	95	21	5.04	0	14	13	12	6
1919	59.5	98	27	5.80	0	14	13	7	11
1920	56.6	92	18	2.02	0	8	17	8	6
1921	59.8	93	22	3.93	0	11	14	8	9
1922	62.5	96	20	3.21	0	10	15	8	8
1923	58.3	93	20	3.50	0.6	8	19	6	6
1924	54.6	92	18	5.71	0	17	9	9	13
1925	55.2	98	22	3.49	0.2	11	13	10	8
1926	58.8	95	18	1.78	0	8	17	10	4
1927	58.2	92	23	4.14	0	16	9	9	13
1928	58.0	95	20	2.23	0	10	15	9	7
1929	58.5	97	23	4.81	T.	14	13	9	9
1930	61.2	99	25	3.03	0	10	15	8	8
1931	59.8	98	19	5.28	T.	15	13	9	9
1932	59.8	98	21	3.69	0	10	15	8	8
1933	62.2	94	24	5.86	0	18	8	10	13
1934	62.2	98	22	2.51	0	8	18	8	5
1935	56.0	92	21	3.00	0	10	13	8	10
1936	62.8	96	24	2.09	0	7	19	8	4
Period	59.5	102	18	3.88	T.	12	12	9	10

Climatological Data for May, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	63.8	+3.7	93	8	35	15	40	2.87	−0.53	1.12	0	7	26	0	5	sw.	John A. Frick.
Altoona	Blair	1,615	49	61.4	+2.6	89	9	32	15	41	1.48	−2.54	0.40	0	7	15	13	3	w.	John J. Martin.
Ardmore	Montgomery	350	16	64.1	+3.1	93	8	35	15	40	2.21	−1.67	1.20	0	7	17	11	3	......	H. L. Balderston.
Arendtsville	Adams	700	14	63.8[b]	+3.8	90[c]	18	32	15†	46[c]	1.98	−1.90	0.88	0	6	26	2	3	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	62.8	......	90	9†	29	15	46	1.56	....	0.64	0	5	23	6	2	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	66.3	+3.9	96	8	36	15	39	2.58	−0.54	0.95	0	8	23	1	7	w.	Lehigh University.
Carlisle	Cumberland	467	70	66.2	+4.6	93	8	34	15	45	1.90	−1.48	0.71	0	6	25	5	1	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	63.6	+2.8	95	8†	31	15	52	2.86	−0.48	0.86	0	7	23	4	4	......	W. L. Gearhart.
Center Hall	Center	1,272	40	62.0	+3.6	93	9	31	15	41	2.94	−1.44	0.75	0	8	19	7	5	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	65.8	+4.7	94	8†	33	15	46	1.69	−1.70	0.96	0	5	21	9	1	sw.	William B. Spear.
Clearfield	Clearfield	1,120	29	62.2	+3.4	94	9	26	15	48	1.12	−3.25	0.43	0	7	14	13	4	nw.	E. W. Hess.
Coatesville	Chester	380	49	64.0	+2.6	86	12†	34	15	38	1.91	−1.68	0.93	0	6	15	8	8	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	62.2	+2.9	90	8	30	15	41	1.37	−2.22	0.53	0	7	26	5	0	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	60.6	+2.8	91	10	29	15	48	2.29	−1.90	0.90	0	9	19	6	6	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	66.6	+5.2	95	8†	34	15	44	1.48	−1.56	0.68	0	6	18	11	2	s.	Ira J. Keath
Freeland	Luzerne	1,970	43	60.4	+3.9	87	9	32	29	35	3.14	−0.70	1.01	0	10	17	6	8	nw.	Andrew B. Evansha.
George School	Bucks	190	30	64.8	+3.9	92	9	35	15	39	3.82	+0.46	1.48	0	7	24	5	2	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	66.6	+5.1	94	8	36	15†	38	1.13	−2.56	0.44	0	6	23	7	1	w.	Dr Henry Stewart
Gordon	Schuylkill	840	32	61.6	+3.6	90	8†	27	15	48	2.74	−1.18	1.18	0	6	25	5	1	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	54.2	+1.8	81	9	25	15	41	2.48	−1.33	0.70	0	7	20	7	4	w.	Ronald H. Marshall,
Hamburg	Berks	535	43	66.7	+5.7	95	8	32	15	44	1.51	−2.63	0.72	0	8	20	10	1	sw.	State Sanatorium.
Hanover	York	600	32	67.2	+4.1	93	8	37	29	35	0.86	−2.51	0.31	0	6	25	4	2	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	65.5	+3.7	92	8	39	15	35	1.60	−1.84	0.52	0	6	17	11	3	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	18	58.6	+1.5	88	11	26	15	50	2.98	−0.54	0.88	0	9	23	4	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	66.3	+3.6	90	8	43	15	33	2.37	−0.40	1.25	0	7	25	3	3	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	63.0	+2.7	92	8†	30	15	47	2.33	−1.42	0.50	0	8	24	6	1	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	63.6	+2.4	93	7	27	29	49	0.84	−2.08	0.36	0	5	22	7	2	.....	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	59.4	......	89	11	30	15	35	1.64	....	0.52	0	8	9	15	7	nw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	65.0	+4.2	94	8†	33	15	44	1.73	−1.22	0.75	0	6	22	9	0	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	62.0	+4.8	95	11	28	15	52	2.30	−1.50	1.05	0	6	17	11	3	......	C. P. Darling.
Lebanon	Lebanon	469	52	65.2	+4.2	95	8	34	15	40	1.35	−1.91	0.50	0	6	27	3	1	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	64.7	+2.9	93	8	33	15	45	2.82	−1.23	0.95	0	9	13	15	3	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	10	68.1	+2.9	95	7	41	9	49	2.58	....	1.10	0	6	26	2	3	w.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	......	......	96[p]	13	28[p]	15	46[p]	......	......	......	......	....	....	....	....	......	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	57.4	+3.6	84	8	25	15	42	4.50	+0.42	0.79	0	9	16	12	3	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	58.8	+1.8	91	8	27	15	53	3.62	−0.43	1.43	0	7	24	4	3	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	62.8	+2.9	94	8†	34	15	44	2.60	−1.36	0.94	0	6	25	3	3	sw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	61.8	+2.5	91	8	32	15	40	2.42	−1.00	0.86	0	6	13	15	3	n.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	65.8	+2.9	93	9	45	29	32	1.67	−1.59	0.93	0	7	17	11	3	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	67.5	+5.7	96	8†	32	29	44	1.64	−2.12	0.68	0	5	24	6	1	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	62.5	+3.0	91	8†	28	15	44	1.74	−1.62	0.66	0	6	24	4	3	nw.	John E. Benner.
Reading	Berks	273	66	65.2	+2.7	91	9	40	15	31	1.35	−2.32	0.47	0	7	13	16	2	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	62.0	......	92	8	30	15	52	1.53	....	0.48	0	7	21	8	2	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	61.8	+2.4	91	11	32	15	43	2.18	−1.09	1.14	0	8	14	9	8	s.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	63.0	+2.4	89	9	33	15	40	2.22	−1.48	0.93	0	7	21	8	2	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	66.6	+3.6	91	9†	38	15	37	1.86	−1.42	0.81	0	5	21	8	2	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	3	64.5	......	93	8	33	15	40	1.16	....	0.60	0	5	20	9	2	sw.	State Teachers College
State College	Center	1,217	52	62.2	+3.5	89	8	33	15	41	2.81	−1.08	0.86	0	10	19	9	3	w	C. A. Kern.
Stroudsburg	Monroe	500	22	58.8	+0.2	91	24	30	20	47	4.59	+1.26	1.75	0	5	21	6	4	nw.	State Normal School.
Towanda	Bradford	754	42	60.5	+3.1	91	11	29	15	48	4.20	+0.84	1.23	0	9	16	10	5	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	59.2	+2.8	88	7†	26	15	50	2.39	−1.01	1.20	0	7	23	5	3	nw.	George W. Hill.
West Chester	Chester	455	87	63.4	+2.7	92	8	34	15	37	2.12	−1.76	1.00	0	6	20	7	4	sw.	Harlan Saylor.
Williamsport	Lycoming	521	50	63.6	+3.1	94	8	32	15	49	3.09	−0.74	0.73	0	10	18	5	8	w.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	21	64.9	+4.9	93	8	36	30	37	2.69	−1.12	1.09	0	6	21	8	2	sw.	Susquehanna Collieries Co.
York	York	400	48	65.5	+4.1	93	8†	32	15	47	1.61	−1.41	0.61	0	8	24	7	0	nw.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	700	44	63.4	+3.0	90	10	34	15	39	3.13	−0.21	1.22	0	7	8	13	10	sw.	U. S. Engineer.
Brookville	Jefferson	1,173	46	57.4	+2.0	91	12	24	15	43	2.94	−0.48	1.34	0	8	15	11	5	......	Frank S. Fawcett.
Butler	Butler	1,077	23	62.2	+3.0	91	10	32	19†	44	2.69	−0.84	1.08	0	8	17	10	4	nw.	William C. Faust.
Chambersville	Indiana	1,047	35	60.8	+1.0	91	11	26	15	46	1.13	−2.98	0.44	0	7	16	5	10	nw.	John E. Lewis.
Clairton	Allegheny	1,020	4	62.4	......	89	10†	34	15	37	0.87	....	0.45	0	4	14	7	10	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	64.0	+3.1	92	9	29	15	50	1.57	−2.02	0.52	0	6	20	7	4	n.	J. L. Melvin.
Corry	Erie	1,430	23	58.6	+3.8	90	4	27	15	48	2.06	−1.20	0.79	0	6	17	12	2	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	63.6	+3.0	91	10	31	15	42	1.82	−1.82	0.63	0	8	20	5	6	w.	Ted R. Wineman.
Donora	Washington	762	10	64.9	+2.3	93	10	35	22	39	0.86	−2.60	0.24	0	6	11	18	2	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	60.4	+4.0	88	11	30	15	44	3.05	−1.29	1.05	0	9	22	7	2	w	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	J. S. Stevanus.
Franklin	Venango	957	62	61.2	+3.6	94	10	30	15	47	2.88	−1.00	0.90	0	8	25	0	6	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	63.8	+3.5	94	2	34	15	43	2.35	−1.43	0.85	0	8	14	14	3	n.	Westmoreland Water Co
Greenville	Mercer	950	40	......	......	......	....	29	15	....	2.18	−1.53	1.05	0	6	17	11	3	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	62.0	+3.9	93	10	33	29	39	2.16	−1.97	0.60	0	10	16	9	6	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	63.0	+2.9	92	10	29	15	43	1.28	−1.95	0.44	0	9	27	4	0	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	64.1	+3.0	94	11	33	15	43	1.55	−2.54	0.54	0	10	20	6	5	n.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	4	58.4	......	88	10	27	15	39	2.38	....	0.70	0	9	13	11	7	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	44	63.2	+2.6	88	12	34	29	32	1.02	−2.96	0.46	0	5	12	13	6	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	62.2	+5.4	91	10	32	15†	43	2.26	−1.85	0.83	0	5	14	9	8	w.	Ass'd Gas & Electric Co.
New Castle	Lawrence	808	56	60.2	+0.7	89	24	32	15	45	2.34	−1.23	0.79	0	10	17	13	1	sw.	New Castle Water Co.
Newell	Fayette	800	16	63.6	+2.3	88	10†	34	29	36	1.04	−2.07	0.37	0	7	....	....	..	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	63.6	+1.2	90	10	37	14	34	1.01	−2.20	0.39	0	6	12	12	7	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	58.8	+3.2	92	10	26	15	49	2.77	−0.79	1.05	0	9	14	12	5	sw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	23	62.4	+3.3	91	10	30	15	41	2.43	−0.76	1.46	0	5	17	8	6	se	Harry H. Gerber.
Somerset	Somerset	2,190	69	57.1	+0.4	90	11	24	15	47	1.97	−2.41	0.68	T.	7	8	13	10	nw.	D. L. Grove.
Uniontown	Fayette	1,100	48	64.4	+2.5	92	10†	33	15	44	2.91	−0.72	1.55	0	6	16	12	3	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	62.6	+1.7	95	11	33	29	55	1.51	−1.75	0.42	0	5	21	8	2	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	47	59.5	+3.2	85	10	35	15	30	2.53	−1.49	0.72	0	9	18	7	6	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	62.9	......	87	7†	30	15	40	0.98	....	0.32	0	5	10	18	3	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	61.2	+4.4	85	10	39	4	33	1.27	−2.13	0.42	0	8	17	9	5	w.	U. S. Weather Bureau.
For the State	......	......	49	62.8	+3.3	96	8†	24	15	55	2.09	−1.79	1.75	0	7	19	8	4	nw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-7-7-36-1050.

Daily Precipitation for May, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	81	
tlantic Drainage.																																	
llentown‖	Lehigh	.04			1.12			T.							.40					.11	.43							.73	.04				2.87
ltoona	Juniata		.10	.22										.37	.11				.06	.40					T.	T.		.22					1.48
nsonia‖	W. Br. Susq	.05		.19									.29	.02	.12					.95	.13					.14		.85					2.74
rdmore	Lower Del		T.	.98	.22									.23	.16					.18	.01							.43					2.21
rendtsville	Lower Susq	.19			.88									.08						.64						.02		.17					1.98
aker's Summit	Juniata			.23								.01	.37	.05	.12				.04	.39						.04		.10					1.35
edford	Juniata			.64										T.	.19					.33						.10		.30					1.56
ellefonte	W. Br. Susq		.03	.12								.29		.25	T.				.10	.43					.03			.22					1.47
ethlehem	Lehigh	.05			.45					.02				.24	.28					.35	.24					T.		.95	T.				2.58
loserville‡‡	Lower Susq												T.	T.	.40					.60								.25					1.25
uffalo Mills‖	Juniata												.24		.15					.14						.05		.64					1.22
arlisle	Lower Susq		.09	.62						T.			T.	.20	.20					.62						T.		.17					1.90
atawissa‡	N. Br. Susq	.03	.10											.28					.37	.36					.86			.86					2.86
euter Hall	Susquehanna		.01	.46									.18	.32					.10	.74					.38			.75					2.94
hambersburg	Potomac			.28	.01								T.	.21	T.					.96								.23					1.69
leartield	W. Br. Susq		.30								.02	.03		.18					.20	.23	T.				T.			.16					1.12
oatesville	Lower Del			.72	.21									.05	.37					.41								.15					1.91
olebrook	Lower Susq			.48	.05								.07	.08	.15				T.	.39								.15					1.37
onshohocken	Schuylkill			T.	.96									.12	.08				.05	.21								.42					1.84
oylestown	Lower Del				1.54						T.			.53	.22					.39	.60							.72					4.00
mporium	W. Br. Susq		.18	.50								.10	.05	.03	.03					.90					.05			.45					2.29
phrata	Lower Susq			.30	.03									.04	.25					.68								.18					1.48
orest City	N. Br. Susq											.30								.41	.52					.48		.36					2.07
reeland‖	Lehigh	.44	T.	T.	.11			.02					T.		.46		T.			.47	.44				.15			1.01	.02	.02			3.14
aleton	W. Br. Susq			.21									.01	.15		.02			.17	.78					.21			.64	T.				2.19
eorge School	Lower Del		T.		1.24						.01			1.20	.28					.21	.12							.76					3.82
ettysburg	Potomac	T.		.44	.14					.05				.03						.32						T.		.15					1.13
irardville‖	Lower Susq				.13								T.		.17				.30	*	.41					.23	.43						1.67
ordon	Lower Susq	.15		1.18										.09	.14					.69						T.		.49					2.74
ouldsboro‡‡	Lehigh													.65					.61	.70					.22			.22	.08				2.48
raterford	Schuylkill				1.01									.06	.28					.19								.28					1.82
amburg	Schuylkill	.03		.20	.07									.01	.15				.15	.57								.33					1.51
anover	Lower Susq	T.		.29	.02									.04	.07					.24						T.		.20					0.86
arrisburg***	Lower Susq		T.	.52									.01	.35					.21	.24					T.			.27					1.60
awley‖	Upper Del	.02		.01	.87			.11							.87					.20	.40					.26		.24					2.98
ollisterville	Upper Del	.13			.20	T.		.07							.76					.19	.47					.45		.36					2.63
oltwood‡‡	Lower Susq			1.15	.10									.40	.08				.10	.29								.25					2.97
untingdon	Juniata		.10	.28									.50	.04	.22				.37	.39								.43					2.33
yndman	Potomac			.36									.07	.25												.06		.10					0.84
ylertown***	W. B. Susq		.32	T.	T.	T.						.13	.03	.38	T.				.19	.33					.04			.22					1.64
akeville‖	Upper Del	.23			.22			.08							.65					.23	.41					.53		.35					2.70
ancaster	Lower Susq			.08	.67									.05	.33					.40								.20					1.73
ansford‖	Lehigh	.52		*	.32										.35					.49	.21					.10		.61					2.60
awrenceville	N. Br. Susq		T.											.60	.10				.20	1.05					.10			.25					2.30
ebanon	Lower Susq		.01	.50										.15					.30	.03					T.		.36						1.35
ehighton‖	Lehigh		.01		.19										.55				.74	T.							.22						1.71
ock Haven	W. Br. Susq		.02	.37									.10	.85	.10					.73					.27			.37	.01				2.82
arcus Hook	Lower Del				1.10										.30				.70	.06	.07							.35					2.58
atamoras‖	Upper Del	.35	.12	.74				.05	.18		1.65				.73					.20	.66					.28		.20	T.				5.16
auch Chunk	Lehigh			.24										.16	.09																		§
ontrose	Susquehanna			.31				.06						.28	.02				.06	.84					.26			.52					2.35
orris Run	N. Br. Susq		.10	.44	.04									.42	.06				.06	.64					.80			.56	04				3.16
ount Pocono	Upper Del	.69		.43	.70			.06						.53						.56	.06				.68			.79					4.50
uncy Valley	W. Br. Susq			.07									.22	.92	.06					1.43					.37			.55	T.				3.62
eshaminy ‖	Lower Del			.94	.34					T.				.48	.15				.15	.54								T.					2.60
ew Park	Lower Susq			.66	.32															.44								.14					1.56
ewport‖	Juniata	.02		.04	.45								.02							.40	.15							.28					1.36
almerton‡	Lehigh			.24										.86					.33	.60					.06			.33					2.42
aupack‖	Upper Del	.15			.20			.05							.82					.75	.25					.48		.25					2.95
hiladelphia***	Lower Del		T.	.39	.54									.19	T.				.06	.27	.01							.21					1.67
hila. Navy Yard ‖	....do				.66	.26									.19					.37	.03							.15					1.66
hila-P'nt Breeze‡	Lower Del				.90									.29					*	.33					T.			.44	T.				1.96
hoenixville	Schuylkill				.68									.10	.17					.41								.28					1.64
ine Grove	Lower Susq			.15										.88					.20	.37								.51					2.11
leasant Mt.‖	Upper Del			.09				.03							.50					.87					.42			.48		.04			2.43
ottstown	Schuylkill			.13	.01	T.						T.		.45					.03	.34					T.		.18	.16					1.30
ottsville	Schuylkill	T		T.	.22									.55	.18				T.	.98	.03							.46					2.42
uakertown	Lower Del				.36									.41	.25					.32	.04							.36					1.74
eading***	Schuylkill			.14	.01	T.						T.		.47					.02	.35					T.		.19	.17					1.35
enovo.‖	W. Br. Susq	.02		.21									.05	.02	.32					.52	.20					.92		.38					2.64
etreat	N. Br. Susq			.10										.19	.08				.13	.40					.14	.01		.48					1.53
cranton***	....do			.10	T.			.02				T.		.07	.01	T.			.25	.89					.52	T.		.32	T.		T.		2.18
elinsgrove	Lower Susq	.02		.11									.11	.93	.11					.68								.26					2.22
hawmont	Schuylkill				.81									.19	.22					.15								.49					1.86
hippensburg	Lower Susq			.16										.17	.03					.60								.20					1.16
tate College	W. Br. Susq		.25	.29								.86	.19	.11	.10				.10	.57					.07			.27					2.81
troudsburg‖	Upper Del				.61									1.75						1.03	.95							.25					4.59
unbury‖	Lower Susq	T.		T	T.								T.	1.06	.72					.37	.45					.11		.22					2.93
usquehanna‖	N. Br. Susq			T.	.08			.06						T.	.48					.92	.47					.08		.36	.04				2.49
owanda	....do		T.	1.06	T.			.06				.51	T.	.12	.01	T.	T.		.28	.45					1.23			.48	T.		T.		4.20
eikert	Lower Susq			.07								.05		.26							.66				.05			.33					1.42
ellsboro	W. Br. Susq		T.	.18								.15		.08		T.			.30	.90					.07			.71					2.39
est Chester	Lower Del		T.	.48	.52									.37	.19					.36								.20					2.12
estgrove‖	....do				1.08										.33					.19	.08							.31					1.99
ilkes-Barre‖	N. Br. Susq	.11		T.		T.		.12						T.	.10	T.				.36	.73					.20		.27	T.	T.			1.89
illiamsport‖	W. Br. Susq	.02		.73	.17								.10	.07	.17					.70	.04					.62		.47					3.09
illiamstown	Susquehanna	.68			.12									.16	.24				T.	1.09								.40					2.69
ork	Lower Susq			.52	.09					.01				.06	.05					.42						.02		.44					1.61
ork Haven‖	Lower Susq	.02			.15										.25					.36	.12							.16					1.06
ionsville..(near)	Schuylkill				.54									.23	.16					.50	.06							.42					1.91
renton, N. J***	Lower Del		T.	1.51	.29			.01	T.	T.				.93					.22	.17								.46					3.59

Continued on page 24.

Daily Precipitation for May, 1936—Continued from page 23

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Dam‖‖	Ohio			.29			T.							.38	.65				.09	1.22						.42		.08					3.13
Beaver Falls‖‖	Beaver			.39			.01						T.	.04	.25				T	1.06						.12		.20					2.07
Bradford	Allegheny		.26	.10	T.									.55			.02		.26	.42					.04			.38					2.03
Brookville‖‖	....do	.08		.12										.08	.16	.19				1.34							.38	.59					2.94
Butler	Ohio		.25										.05	.30				.04	1.08	.05					.65			.27					2.69
Chambersville	Allegheny			.05										.22					.16	.44					.10	.02		.14					1.13
Clairton‡	Monongahela													.09						.45					.06			.27					0.87
Claysville	Ohio			.01		T.								.12					.52	.52						.02		.38					1.57
Confluence‖‖	Youghiogheny				.40									.17	.52					.56							.30						1.95
Corry	Allegheny	.09												.51					.79	.41							.03	.23					2.06
Derry	Conemaugh	.07												.28	.10				.12	.63					.03	.40		.19					1.82
Donora‖‖	Monongahela			T.										.09	.21	T.			.05	.24						.06		.21	T.				0.86
Ebensburg	Conemaugh		.34	.37									.02	.38					.26	.46					.12	.05		1.05					3.05
Elk Lick	Youghiogheny																																
Franklin‖‖	Allegheny	.07		.55										.19	.30					.90	.15					.16		.56					2.88
Greensboro‖‖	Monongahela			.07										.05	.37				.01	1.17						.19		.02	.04				1.92
Greensburg	Youghiogheny		.22			T.							.02	.85	.03				.10	.47					.17	.10		.39					2.35
Greenville	Beaver	T.	.02											1.05	.10				.16	.45								.40					2.18
Grove City	....do	T.	.09	.21									.01	.15	.02				.43	.50					.01	.14		.60					2.16
Herrs Isl. Dam‖‖	Ohio	T.		.02			T.								.09				.04	.34	.03					.86		.01					1.39
Irwin	Monongahela			.02									.07	.19	.05				.22	.07					.44	.11		.11					1.28
Johnstown	Conemaugh		.04								.15		.16	.30	.03				.04	.50					.11	.06		.16					1.55
Kane (near) ‡‡	Allegheny		.24	.08	T.							.16	.02	.43	T.				.29	.70					.11			.35					2.38
Kregar‖‖	Youghiogheny	T.		T.									.09	.48					.55	.03					.15		.51						1.81
Lake Lynn‖‖	Monongahela	.03												.03	.50				.11	.88						.08			06				1.69
Linesville‖‖	Beaver		.60										.47	.41						1.15							.14	.19					2.96
Lock No 2‖‖	Ohio			.11											.15				.35	.26						.51							1.38
Lock No. 4‖‖	Monongahela		.07	T.											.21				.05	.21						.13		.32					0.99
Lock No. 5‡‡‖‖	Allegheny	.02		.05										T.	.12				.13	.45						.25		.39					1.41
Lycippus	Conemaugh	T.		.02										.46	.18				.15									.21					1.02
McKeesport‖‖	Monongahela														T.					.29						.45		.05					0.79
Meadville	Allegheny		.28	.10										.83					T.	.58								.47					2.26
Mosgrove‖‖	....do	.07		.05											.40				.05	.84						.38		.17					1.96
Mount Lebanon	Ohio		.08	T.		T.								.14					.56	.36					.26	.02		.06					1.48
Natrona‖‖	Allegheny	.07		.10											.07				.27	.51	.05					.46		.21					1.74
New Castle‖‖	Beaver	.01		.38	.01	T.	T					T.	T.	.04	.27					.70	.02					.79	.01	.11				T.	2.34
Newell	Monongahela		.10	T.										.05	.10				T.	.25						.14		T.	.37	.03			1.04
Parkers Landing‖‖	Allegheny	T.		.48									T.	.10	.54				T.	.84	T.					1.18		.08					3.22
Pennline‖‖‡‡	Beaver		.50	.83										1.17	.29					.55	T.						T.	.24					3.58
Pittsburgh***	Ohio		.04	T.		T.							T.	.14					.18	.23					.17	T.		.25			T.		1.01
Punxsutawney‖‖	Allegheny																																
Ridgway	....do	.04		.12									.37	.12	.32					1.05	.27					.18		.30					2.77
Saltsburg‖‖	Conemaugh																																
Sharon‖‖	Beaver			.01											.43					1.46						.23		.30					2.43
Smethport‖‖	Allegheny			.06										.10	.10					.84	.05				.01			.60	T.				1.76
Somerset	Youghiogheny			.04								T.	T.	.37	.10				.10	.46						.22		.68					1.97
Springdale‖‖‡‡	Allegheny	.05		T.															.33	.22						.31		.07					0.98
Uniontown	Monongahela			T.										1.55	.25				.20	.60						.30	.01	T.					2.91
Unity Reservoir‡‡	Youghiogheny		.45										T.	.30	.06				.13	.45					T.	.24		.22					1.85
Vandergrift‡	Conemaugh													.10					.42	.41					.28			.30					1.51
Warren	Allegheny			.54	.04								.04	.22	.03				.25	.63					.06			.72					2.53
Waynesburg	Monongahela		.20											.23					.05	.32						.18							0.98
Westford‖‖	Beaver	.02	.25										.56	.42					.40								.12						1.77
West Newton‖‖	Youghiogheny		.04												.31				.03	.30	T.					.14		.24					1.06
Lake Drainage.																																	
Erie***	Lake Erie		.42		T.							T	.23	.19		.01			.10	.02					T.		.23	.07				T.	1.27

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.06	30.60	21	29.56	31	11.6	52	w.	2	74	68	69	69
Harrisburg	30.04	30.63	22	29.63	28	7.5	35	w.	13	66	48	50	81
Philadelphia	30.06	30.64	22	29.61	28	13.3	34	sw.	13	65	46	53	82
Pittsburgh	30.06	30.53	22	29.68	31	10.0	34	nw.	2	63	41	49	84
Reading	30.04	30.63	22	29.62	28	10.8	41	w.	13	62	44	50	77
Scranton	30.04	30.66	22	29.61	28	7.1	32	nw.	24	69	43	47	79

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.1	3.7	1	2.5	30	18
Phillipsburg	Delaware	2.9	4.9	2	1.8	31	22
Lehighton	Lehigh	3.1	3.6	1	2.8	31	7
Wilkes-Barre	Susquehanna	4.7	7.4	5	3.4	31	20
Williamsport	Susquehanna	2.0	3.0	5	1.3	31	20
Harrisburg	Susquehanna	4.3	4.9	7	3.8	31	18
Greensboro	Monongahela	11.1	12.8	21	10.6	29	30
West Newton	Youghiogheny	0.8	1.1	1	0.2	31	20
Lock No. 4	Monongahela	11.8	13.8	21	11.1	29	30
Pittsburgh	Ohio		13.1*	5	10.9*	31	25
Beaver Dam	Ohio		16.1*	1	13.6*	12	30

* —Pool stage.

Daily Temperatures for May, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
ltoona	Maximum	83	81	72	63	64	72	87	88	89	84	86	88	79	70	69	77	80	81	71	65	69	74	85	85	75	78	73	66	62	63	73	75.9
	Minimum	53	53	52	43	41	36	50	57	54	58	51	57	61	39	32	41	41	61	54	36	36	35	44	51	58	43	60	43	34	41	37	46.8
edford	Maximum	85	88	81	64	65	77	89	89	90	85	85	86	81	75	73	76	90	89	81	73	75	77	88	89	78	83	79	74	66	68	70	79.6
	Minimum	52	52	53	47	39	35	47	48	54	52	53	52	58	40	29	40	44	46	56	40	37	36	44	48	60	45	62	47	33	35	40	45.9
ethlehem	Maximum	83	82	81	81	71	73	80	96	95	95	80	89	87	68	68	69	82	88	84	79	78	72	81	90	89	82	82	82	65	63	70	80.2
	Minimum	61	54	67	56	46	44	55	59	69	56	52	61	66	45	36	47	46	52	60	46	43	44	44	62	66	50	56	50	40	48	42	52.4
rookville	Maximum	77	84	85	68	51	64	74	87	87	87	90	91	86	77	58	68	71	86	69	65	72	79	80	84	82	73	79	71	54	59	66	75.0
	Minimum	45	48	53	39	30	28	42	44	44	44	48	52	55	37	24	37	36	47	29	29	30	39	40	44	50	34	51	38	33	32	29	39.7
utler	Maximum	86	82	81	65	64	76	90	90	90	91	90	85	80	68	65	75	86	86	65	63	68	78	83	83	81	81	79	71	60	75	80	78.0
	Minimum	64	61	50	42	40	36	52	50	52	56	53	56	56	40	39	41	42	56	32	32	35	36	45	55	53	55	59	42	32	34	38	46.3
arlisle	Maximum	86	86	84	71	73	75	86	93	91	88	81	92	85	75	72	70	90	89	84	72	72	74	85	92	88	83	80	70	74	71	74	80.8
	Minimum	54	56	64	54	43	39	50	54	63	58	51	58	64	43	34	49	45	65	59	46	44	38	45	60	59	49	58	51	55	45	43	51.5
atawissa	Maximum	84	83	73	70	75	88	81	95	95	85	92	93	86	76	73	70	90	89	78	73	75	78	86	89	79	87	78	67	68	70	76	80.7
	Minimum	53	58	35	35	34	36	39	55	56	57	56	61	64	38	31	43	40	59	57	40	37	36	44	55	59	44	58	50	33	43	40	46.6
hambersburg	Maximum	86	86	82	64	72	75	86	94	94	85	87	94	87	76	75	73	91	87	78	76	75	78	85	91	83	85	79	73	71	70	76	81.1
	Minimum	56	52	60	52	42	40	51	55	57	61	52	60	63	44	33	45	45	59	58	47	44	42	44	52	62	48	60	52	36	45	45	50.4
hambersville	Maximum	85	86	73	63	67	77	88	90	87	90	91	87	76	59	70	74	88	82	71	66	71	80	86	87	76	83	76	70	60	65	74	77.4
	Minimum	54	61	54	40	34	32	49	48	48	50	56	57	50	37	26	37	44	57	52	31	35	41	48	51	53	37	58	39	28	37	30	44.3
aysville	Maximum	88	86	85	67	70	81	90	91	92	91	91	89	83	62	73	76	89	87	73	72	73	86	88	88	81	82	77	77	63	67	77	80.5
	Minimum	57	62	56	40	35	39	50	52	52	52	57	58	58	33	39	39	39	60	54	35	39	43	58	56	59	51	62	41	31	36	39	47.5
earfield	Maximum	85	86	80	67	68	78	88	93	94	92	92	88	84	63	72	88	88	81	71	70	73	80	84	85	78	82	77	72	73	67	80	80.0
	Minimum	50	53	60	45	37	30	46	52	56	52	53	56	56	37	26	41	40	51	50	33	32	34	39	48	52	37	56	42	36	38	40	44.5
oatesville	Maximum	82	81	82	67	73	73	79	85	84	77	79	86	84	69	71	68	82	86	76	69	73	73	79	86	82	82	82	66	70	71	75	77.2
	Minimum	54	49	60	56	46	43	51	55	66	54	51	56	60	44	34	45	45	60	62	47	46	40	41	55	65	50	58	52	38	46	45	50.8
orry	Maximum	85	87	84	90	86	81	88	86	89	84	85	77	63	57	68	75	82	73	82	63	68	63	70	81	86	80	72	60	62	61	67	76.0
	Minimum	50	48	47	55	40	35	47	50	53	45	48	54	50	32	27	34	45	36	34	31	29	32	45	47	51	40	38	37	29	31	40	41.3
mporium	Maximum	84	85	72	64	65	76	88	89	88	91	90	86	85	73	70	73	87	82	82	66	71	78	86	88	74	81	81	72	58	67	73	78.2
	Minimum	53	54	58	40	35	31	41	41	49	49	48	49	51	39	29	40	39	51	56	31	30	31	39	49	53	40	54	41	39	36	37	43.0
rie*	Maximum	84	82	60	54	61	75	84	83	84	85	80	79	75	52	65	63	81	72	63	55	61	75	83	73	70	77	67	51	57	60	69	70.3
	Minimum	62	56	41	39	46	49	69	69	67	67	60	65	42	40	41	39	63	59	44	42	41	48	60	62	57	56	50	44	40	49	44	52.0
ranklin‡	Maximum	87	84	65	59	70	76	90	89	90	94	92	90	77	60	72	78	88	81	72	67	73	82	89	84	75	82	75	58	61	69	77	77.6
	Minimum	50	55	52	39	39	35	49	50	50	50	53	55	56	35	30	39	43	55	53	34	33	35	48	53	52	41	54	41	33	40	34	44.7
eeland	Maximum	77	76	73	59	60	67	81	85	87	82	85	85	80	67	64	64	81	82	76	63	63	64	80	84	72	75	70	64	56	55	65	72.3
	Minimum	56	53	57	47	40	37	50	62	64	55	52	60	59	37	35	36	46	66	53	36	38	41	47	60	58	48	56	40	32	40	42	48.5
ettysburg	Maximum	84	84	80	68	72	74	84	94	92	86	77	91	86	79	74	72	86	91	81	73	73	75	82	93	89	82	81	77	70	71	78	80.6
	Minimum	57	55	61	57	43	43	52	57	63	60	53	59	65	43	36	47	50	61	64	48	48	42	47	57	65	52	61	54	36	46	46	52.5
reensburg	Maximum	87	94	83	63	70	77	88	89	88	90	90	87	89	63	74	75	85	82	72	70	74	83	85	85	75	81	75	65	63	63	72	78.6
	Minimum	58	51	59	44	45	40	55	57	56	58	59	62	60	39	34	44	50	62	53	39	41	43	42	58	51	47	50	45	35	42	40	49.0
rove City	Maximum	83	81	69	60	67	73	85	86	88	93	90	88	71	58	67	74	83	80	66	65	71	79	83	80	83	77	76	71	63	63	70	75.6
	Minimum	58	63	51	38	42	44	51	60	58	60	51	60	48	34	35	44	54	62	51	35	41	45	56	61	46	46	57	39	33	36	38	48.3
amburg	Maximum	85	86	80	66	71	74	84	95	93	92	82	91	90	74	71	70	86	89	76	73	73	72	83	92	88	85	84	74	68	66	75	80.3
	Minimum	55	57	61	55	47	40	51	56	65	48	70	62	63	44	32	47	44	59	57	66	69	43	48	53	63	51	59	52	41	47	42	53.1
arrisburg*	Maximum	84	83	77	62	68	72	83	92	90	72	79	89	83	63	71	66	88	85	76	70	69	71	82	88	79	80	78	64	67	68	73	76.5
	Minimum	61	57	60	53	49	45	57	61	69	60	55	63	61	46	39	49	53	64	59	49	48	44	52	60	66	55	61	49	44	51	50	54.5
awley	Maximum	85	81	77	63	65	72	80	87	87	83	88	86	83	62	67	63	82	84	70	60	65	73	83	85	71	78	73	65	61	55	68	74.3
	Minimum	52	51	55	48	34	28	50	48	50	54	46	57	58	41	26	34	32	52	55	37	30	29	33	50	50	38	48	42	30	36	34	42.8
oltwood	Maximum	79	79	77	64	71	74	80	90	89	72	75	82	81	68	70	68	82	88	76	72	72	73	81	88	79	82	79	70	67	66	72	76.3
	Minimum	59	55	63	55	51	49	58	59	65	61	56	61	66	50	43	54	55	64	64	54	53	50	48	59	68	57	64	54	46	51	52	56.3
untingdon	Maximum	86	87	78	63	69	76	90	92	92	86	89	90	83	62	72	74	89	86	74	71	73	77	88	88	77	83	77	82	65	68	75	79.4
	Minimum	52	54	58	48	36	35	52	55	60	55	51	58	60	42	30	43	42	53	57	38	37	35	41	48	61	39	56	47	32	35	34	46.6
ohnstown	Maximum	87	88	75	64	69	78	90	91	92	91	94	91	79	65	72	77	88	83	76	71	78	82	89	88	77	82	78	64	64	72	76	79.7
	Minimum	52	54	58	45	40	37	56	53	54	57	55	59	61	40	33	43	46	59	54	40	41	39	47	52	60	45	61	46	35	42	38	48.5
ancaster	Maximum	82	81	81	72	73	74	83	94	94	87	78	87	85	72	73	71	85	92	85	78	73	76	81	92	92	84	83	81	69	71	75	80.8
	Minimum	52	47	63	57	43	40	53	52	60	58	53	56	63	45	33	42	48	55	60	46	46	38	39	48	62	44	58	47	36	43	42	49.3
awrenceville	Maximum	87	86	77	62	68	78	92	94	94	94	95	94	82	75	71	69	90	88	76	66	70	81	90	88	76	83	80	70	67	62	76	80.0
	Minimum	52	57	56	46	35	31	54	50	50	50	56	55	59	37	28	30	38	50	53	33	30	31	42	50	50	39	50	39	30	40	40	43.9
ebanon‡	Maximum	85	82	80	67	73	74	85	95	92	82	81	91	87	74	71	69	87	91	79	71	73	72	83	91	81	83	81	66	69	70	75	79.4
	Minimum	59	54	53	56	42	41	54	55	62	59	55	57	66	45	34	47	50	56	58	46	47	41	44	54	59	47	59	52	38	43	47	51.0
arcus Hook*	Maximum	80	82	82	73	75	78	95	94	90	76	85	86	64	72	71	79	91	89	71	70	72	79	94	91	85	82	82	70	73	77	87	80.5
	Minimum	57	61	57	50	50	55	61	61	44	51	59	64	50	43	52	50	66	65	52	51	49	52	63	77	58	65	58	43	52	55	60	55.7
eadville	Maximum	85	85	77	56	66	75	87	87	88	91	90	85	80	56	69	73	87	86	71	61	69	81	87	86	77	79	79	70	60	64	72	76.7
	Minimum	52	61	50	37	44	40	59	56	54	54	57	58	52	36	32	40	54	59	54	34	34	38	56	62	52	44	56	41	32	43	38	47.7
ontrose	Maximum	81	82	73	54	60	68	80	84	84	81	85	83	79	70	65	61	81	83	68	57	60	69	81	81	67	73	69	62	55	52	65	71.4
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
ount Pocono	Maximum	76	74	72	67	68	66	74	84	83	80	82	83	80	64	63	72	82	82	65	60	56	68	72	78	70	78	72	64	59	64	69	71.8
	Minimum	52	53	57	46	41	35	50	58	55	55	50	58	60	38	25	35	40	50	53	36	30	30	34	40	50	36	50	30	28	36	36	43.1
hiladelphia*	Maximum	80	80	80	68	72	72	77	93	93	71	76	83	85	65	67	66	79	89	74	69	72	72	76	88	80	82	80	67	67	68	71	76.2
	Minimum	59	59	61	55	51	54	55	61	64	50	49	59	64	50	47	48	48	67	63	52	53	52	51	59	68	63	59	47	45	54	54	55.5
ittsburgh*	Maximum	85	84	68	50	65	76	87	88	86	90	87	87	75	57	68	75	85	79	71	66	72	81	85	84	72	80	71	60	55	64	72	75.0
	Minimum	61	62	47	42	42	46	55	65	68	65	63	65	44	37	42	50	55	62	48	42	44	47	57	62	59	54	59	44	40	45	46	52.2
uakertown	Maximum	82	78	80	75	71	72	77	91	91	87	80	88	82	66	68	67	80	89	81	74	68	79	80	90	86	82	79	74	69	67	71	78.2
	Minimum	52	44	59	54	43	37	51	52	55	54	46	56	60	44	28	34	42	59	59	45	36	39	36	49	63	42	54	50	35	38	36	46.8
eading*	Maximum	81	80	80	66	69	72	82	90	91	73	80	88	84	64	69	66	82	87	71	67	70	70	80	88	78	80	76	61	65	65	71	75.7
	Minimum	61	58	62	54	48	47	58	63	68	56	54	64	64	46	40	50	51	66	58	48	48	47	50	63	63	57	61	46	42	51	51	54.7
idgway‡	Maximum	85	82	68	57	66	75	88	89	88	92	89	85	76	57	68	72	86	79	69	66	70	80	84	83	74	79	72	53	59	67	72	75.2
	Minimum	49	58	57	39	33	30	49	46	46	47	50	55	55	37	26	38	37	47	55	31	31	31	41	46	51	40	53	40	34	35	32	42.5
cranton*	Maximum	84	84	79	56	65	73	85	90	89	84	91	87	86	55	70	59	84	88	69	64	65	75	83	88	72	79	72	57	60	58	70	74.8
	Minimum	56	59	56	49	42	36	55	57	60	62	56	65	50	42	32	38	41	60	53	43	37	36	42	60	56	47	57	42	39	46	43	48.9
elinsgrove	Maximum	83	83	83	65	67	73	84	88	89	87	82	88	83	68	73	75	88	86	81	66	70	73	83	77	78	81	79	76	65	70	73	78.0
	Minimum	53	54	55	50	37	35	56	53	56	57	51	59	59	40	33	43	51	49	57	38	40	38	45	52	58	45	59	48	34	40	44	48.6
omerset	Maximum	81	84	77	62	62	74	85	85	84	84	90	87	72	60	65	71	82	79	67	66	72	73	82	81	72	77	71	64	57	60	69	74.0
	Minimum	45	49	46	39	35	27	40	42	42	45	44	49	53	34	24	35	35	56	50	30	30	33	39	41	54	40	57	41	27	35	30	40.2
tate College	Maximum	82	85	75	66	65	73	87	89	88	84	88	87	79	67	69	70	86	80	71	67	69	74	85	85	75	78	72	62	62	65	71	76.0
	Minimum	54	59	57	42	39	38	51	59	60	60	53	58	51	38	33	41	45	65	54	38	38	38	49	60	58	47	59	43	35	40	39	48.4
troudsburg‡	Maximum	71	70	65	80	87	88	79	65	72	85	70	61	67	72	57	67	69	76	88	65	70	71	84	91	77	81	77	75	79	78	85	74.9
	Minimum	33	39	46	57	55	59	64	38	36	45	49	38	31	37	44	41	37	42	43	30	31	34	37	48	58	43	51	46	36	36	42	42.8
owanda	Maximum	85	85	77	56	66	73	86	89	89	88	91	86	82	64	70	64	87	86	72	61	65	72	85	85	72	78	73	60	61	59	70	75.4
	Minimum	52	56	55	47	39	32	55	52	52	54	54	56	60	39	29	39	39	50	56	37	34	33	40	40	54	41	55	41	37	42	45	45.6
niontown	Maximum	87	86	81	65	67	80	90	91	88	92	92	88	81	61	71	76	87	80	74	68	75	83	85	87	81	78	75	70	63	62	76	78.7
	Minimum	60	65	59	45	39	36	49	53	53	53	60	63	60	39	33	41	47	63	55	39	43	52	52	56	63	54	64	46	34	39	40	50.2
andergrift*	Maximum	88	86	74	54	70	78	92	93	89	92	95	87	81	62	73	75	91	84	76	69	74	82	89	89	77	84	76	62	59	66	77	78.8
	Minimum	54	65	48	44	42	40	48	53	54	50	55	55	45	40	34	42	36	57	47	37	42	41	52	52	53	44	57	43	33	43	37	46.5
arren	Maximum	76	80	76	58	58	69	76	81	80	85	82	82	82	52	60	66	83	84	72	65	58	70	77	72	72	73	70	67	52	68	69	71.5
	Minimum	50	60	58	40	41	37	56	52	52	57	53	55	52	40	35	40	50	57	50	39	38	38	53	48	50	46	55	43	40	45	43	47.5
aynesburg	Maximum	84	85	82	66	65	76	87	87	86	87	87	86	82	63	70	76	84	84	73	71	74	82	84	83	74	75	75	75	59	61	73	77.3
	Minimum	53	63	60	41	38	36	48	52	53	53	56	60	60	36	30	40	46	62	54	38	39	42	54	53	62	53	65	44	32	38	42	48.5
ellsboro	Maximum	85	85	75	68	55	74	88	86	88	88	82	85	84	62	70	66	88	85	72	64	60	77	85	84	70	80	78	63	60	63	73	75.6
	Minimum	50	55	65	45	32	30	52	48	52	50	52	53	55	36	26	30	38	50	53	30	29	30	38	50	47	38	52	38	28	35	40	42.8
illiamsport	Maximum	84	85	79	65	68	75	86	94	91	81	88	91	83	73	74	68	90	84	72	73	72	75	85	88	79	82	78	70	64	68	75	78.7
	Minimum	55	58	60	50	40	36	55	55	57	61	55	58	62	42	32	40	41	54	57	40	37	37	42	52	57	46	57	47	35	44	41	48.5
illiamstown	Maximum	83	81	83	85	77	74	88	93	90	92	90	92	85	76	69	74	85	85	83	67	68	74	78	88	86	79	78	74	64	61	72	79.8
	Minimum	56	54	59	51	41	43	53	65	54	55	53	61	59	39	37	41	48	53	53	41	41	45	47	60	60	52	56	46	42	36	48	50.0
ork	Maximum	86	85	83	65	70	79	90	93	92	87	83	93	87	77	74	73	89	90	81	78	74	76	85	92	88	85	80	75	70	69	76	81.4
	Minimum	56	54	62	56	41	40	57	53	60	57	52	56	60	46	32	41	42	58	60	47	45	37	44	52	61	45	60	50	33	39	41	49.6

* Midnight to midnight.   ‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

Vol. XLI. June, 1936. No. 6.

GENERAL SUMMARY.

Temperatures for June averaged just a little above the nor- nal, due, chiefly, to a warm period that centered on the 2d and 3d, after which small to moderate daily departures were mostly n the high side of the normal until the fourth week, when an nseasonably cool period wiped out nearly all of the accumu- ated excess. To say that the rainfall averaged about a third of n inch below the June normal affords no conception of the con- litions because of the wide variation in distribution, the ex- remes of monthly rainfall ranging from 1.05 to 12.01 inches. Geographically speaking, there was an excess at most stations n the eastern third of the State, and in a few central counties, vhile a large and fairly general deficiency was recorded in the vestern third, and in the north-central counties. In the re- ions of heaviest rainfall the crops suffered more or less, early n the month, from a drought condition that developed in May, nd continued in June to the 10th inclusive. This condition was elieved on the 11th, 12th, and 13th by good rains that covered little more than one-half of the State, while the drought con- inued to intensify in most western and northern counties. The noister regions were again favored on the 18th and 19th by eavy thundershowers, while the drier regions continued to burn p. These thundershowers appeared to follow beaten paths hrough the moister regions, the rainfall being heaviest in the laces where it was least needed. As a result, the reports from rop correspondents covered both extremes, and an intelligent ummary of conditions was next to impossible. After the 19th he rains were mostly light, and at the end of the month there vas a varying shortage of moisture in about three-fourths of the tate. Corn was least affected of all of the growing crops, and, xcepting the driest regions, it was generally making a fair rowth. Pastures and meadows suffered most, and, excepting he moister regions, they were generally thin and backward. The rst cutting of hay was well advanced at the close of the month. lfalfa generally gave fair returns, but yields of timothy and lover were mostly light. Wheat and rye ripened a little earlier han usual, but did not seem to suffer much from a lack of noisture. The heads filled well with plump grain, although hey were rather short in some regions. Harvest was in pro- ress under favorable conditions in the southern counties at the nd of the month. Potatoes were mostly fair, with the best onditions in the chief potato growing regions. Truck crops were fair to good in the moister regions, and decidedly backward in the drier regions.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 86 stations, was 68.5°, which is 0.4° above the 49-year normal. The highest monthly mean was 74.0°, at Marcus Hook, and the lowest, 59.2° at Mount Pocono. The highest temperature for the month was 100° at Phoenixville on the 3d, and the lowest was 33° at Brookville and Somerset on the 5th. The greatest daily range in temperature was 51° at Butler on the 17th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports from 141 stations, was 3.80 inches, which is 0.30 inch less than the 49-year normal. The greatest monthly amount was 12.01 inches at Quakertown, and the least was 1.05 inches at Clairton. The greatest amount recorded in any 24-hour period was 6.92 inches at Quakertown on the 13th.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	68.4	100	30	3.04	....	9	12	11	7
1889	66.7	95	33	5.43	....	15	5	12	13
1890	70.1	97	33	3.42	....	9	12	11	7
1891	68.2	100	30	4.50	....	11	14	8	8
1892	71.8	99	40	5.64	....	13	9	11	10
1893	69.8	100	38	3.12	....	9	10	11	9
1894	69.6	102	30	2.57	....	10	13	12	5
1895	71.4	104	32	3.50	....	9	13	10	7
1896	67.4	93	32	4.64	....	11	10	11	9
1897	64.8	96	28	3.38	....	11	11	11	8
1898	69.6	100	33	2.79	....	9	14	11	5
1899	69.9	101	32	3.51	....	9	13	11	6
1900	69.9	97	35	3.60	....	10	11	12	7
1901	69.1	103	32	3.47	....	10	12	11	7
1902	66.0	97	32	5.97	....	13	11	12	7
1903	63.5	90	34	6.53	....	15	7	10	13
1904	67.9	96	32	4.06	....	13	12	10	8
1905	68.0	99	30	4.39	....	13	11	10	9
1906	69.3	97	28	5.43	....	13	11	12	7
1907	63.6	98	30	4.99	....	12	11	9	10
1908	68.8	102	28	2.36	....	7	19	9	2
1909	68.8	96	34	4.48	....	13	12	9	9
1910	65.4	95	32	4.31	....	11	12	8	10
1911	68.3	99	38	4.71	....	12	12	10	8
1912	65.6	96	29	3.36	....	8	13	9	8
1913	68.2	99	20	2.26	....	7	19	7	4
1914	68.6	101	25	3.71	....	9	16	8	6
1915	65.6	92	31	4.00	....	11	14	10	6
1916	63.7	89	28	6.14	....	15	11	10	9
1917	66.8	92	32	5.38	....	14	12	11	7
1918	66.0	98	29	3.46	....	10	13	11	6
1919	71.2	102	32	3.90	....	10	16	9	5
1920	67.0	99	32	4.97	....	13	12	11	7
1921	70.6	101	26	3.12	....	8	17	9	4
1922	69.5	96	30	5.11	....	13	11	11	8
1923	70.9	103	32	2.73	....	9	16	9	5
1924	65.8	98	26	5.57	....	15	11	11	8
1925	71.9	104	29	3.04	....	9	16	11	3
1926	64.1	94	23	3.63	....	12	13	10	7
1927	63.8	99	25	3.72	....	9	15	8	7
1928	65.5	93	30	7.96	....	17	9	9	12
1929	67.8	98	28	3.56	....	10	15	10	5
1930	69.1	100	22	4.20	....	9	17	8	5
1931	68.5	102	28	3.71	....	9	16	8	6
1932	68.5	98	26	3.15	....	11	13	9	8
1933	70.9	107	28	2.58	....	9	18	8	4
1934	72.9	104	35	3.64	....	9	17	9	4
1935	67.4	96	33	4.22	....	12	13	9	8
1936	68.5	100	33	3.80	....	10	14	9	7
Period	68.1	107	20	4.10	....	11	13	10	7

Climatological Data for June, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	70.0	+0.4	95	3	47	6	36	6.10	+2.16	2.30	0	13	18	1	11	ne.	John A. Frick.
Altoona	Blair	1,615	49	65.8	−0.7	89	2†	41	23	41	4.49	+0.64	1.53	0	7	14	10	6	w.	John J. Martin.
Ardmore	Montgomery	350	16	69.8	−0.6	95	3	52	23	31	5.08	+1.28	2.52	0	8	13	4	13	......	H. L. Balderston.
Arendtsville	Adams	700	14	69.8	−0.7	98	3	44	23	44	4.43	+0.16	1.00	0	12	16	5	9	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	68.8	......	92	2†	41	6	47	3.83	......	1.15	0	9	16	6	8	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	71.2	+0.7	94	3	50	6†	36	5.67	+1.81	1.97	0	11	13	2	15	sw.	Lehigh University.
Carlisle	Cumberland	467	70	70.8	−0.3	97	3	45	6	41	3.81	−0.05	1.09	0	11	16	5	9	se.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	69 3	+0.7	96	19	42	6	46	5.20	+1.41	2.50	0	12	22	4	4	......	W. L. Gearhart.
Center Hall	Center	1,272	40	66.2	+0.3	90	3	40	25	40	4.06	−0.23	2.12	0	7	18	8	4	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	71.0	+1.1	98	3	47	6†	40	3.58	−0.64	0.94	0	12	10	11	9	ne.	William B. Spear.
Clearfield	Clearfield	1,120	29	65.4	−1.8	89	20†	38	6	46	6.12	+1.51	1.40	0	11	13	14	3	nw.	E. W. Hess.
Coatesville	Chester	380	49	70.0	−0.2	96	3	47	23	35	4.80	+0.60	1.53	0	11	9	3	18	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	67.3	−0.8	93	3	44	6	36	6.91	+2.82	2.56	0	13	13	9	8	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	67.0	+1.1	90	20†	37	5	43	3.25	−1.09	1.27	0	14	19	9	2	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	71.8	+2.6	99	3	48	6	42	5.11	+0.85	1.49	0	10	11	5	14	s.	Ira J. Keath
Freeland	Luzerne	1,970	43	65.2	+0.3	88	3	42	5	31	3 62	−1.34	0.85	0	15	6	9	15	se.	Andrew B Evansha.
George School	Bucks	190	30	70.2	+1.0	95	3	47	6†	38	3.58	−0.09	0.92	0	12	13	10	7	se.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	71.4	+1.3	96	3	49	23	36	3.64	−0.75	1.85	0	14	16	5	9	n.	Dr Henry Stewart
Gordon	Schuylkill	840	32	66.5	+0.5	91	3	38	6	45	5.66	+1.23	1.48	0	11	15	7	8	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	61.2	+0.1	80	26	35	6	38	5.86	+1.35	2.00	0	9	18	5	7	w.	Ronald H. Marshall.
Hamburg	Berks	535	43	70.8	+1.7	97	3	48	6†	36	5.05	+0.59	1.70	0	10	14	12	4	sw.	State Sanatorium.
Hanover	York	600	32	72.0	+0.7	95	3	50	6	35	4.46	+0.45	1.05	0	11	15	4	11	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	70.4	+0.1	93	3	52	24	32	4.61	+1.02	1.37	0	12	10	11	9	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	18	64.2	−2.0	90	3	36	6	46	4.38	+0.53	1.57	0	10	18	8	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	72.2	−0.4	93	3	55	1†	30	2.03	−1.18	0.61	0	10	12	10	8	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	67.3^{b}	−1.2	93^{b}	2	40^{b}	6	46^{b}	4 30	+0.18	1.70	0	9	16	5	9	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	70.0	+1.6	95	2†	40	1†	50	5.16	+0.88	2.63	0	8	18	6	6	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	64.6	......	86	2†	40	5	34	3.60	......	0.95	0	10	8	11	11	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	70.2	+0.2	93	3	44	6	41	4.55	+0.49	1.58	0	10	11	14	5	sw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	39	67.6	+1.6	93	2	37	23	50	2.23	−1.69	0.70	0	8	14	13	3	......	C. P. Darling.
Lebanon	Lebanon	469	52	70.6	+0.8	97	3	46	6	37	5.06	+0.71	0.98	0	14	15	12	3	w.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	69.2	−0.6	93	2	45	5†	38	3.07	−1.19	0.70	0	13	10	15	5	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	10	74.0	−1.0	96	2	54	23	30	3.28	......	1.13	0	11	14	9	7	ne.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	59.2	−2.4	79	3†	35	4	39	5.60	+0.84	2.06	0	7	23	3	4	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	64.0^{a}	−1.3	87^{a}	2†	37^{a}	1	48^{a}	4.26	−0.10	2.16	0	8	20	3	7	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	69.3	+0.3	95	3	45	6†	42	4.72	+0.85	1.52	0	11	17	2	11	e.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	67.6	0.0	92	3	43	6	37	4.75	+1.04	1.37	0	9	12	14	4	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	71.8	+0.4	93	3	55	24	26	3.96	+0.72	1.82	0	11	12	5	13	n.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	73.0	+1.5	100	3	46	6	41	3.29	+0.08	0.73	0	9	12	14	4	s.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	68.6	+0.2	96	3	42	6	41	12.01	+8.10	6.92	0	11	12	6	12	s.	John E. Benner.
Reading	Berks	273	66	70.1	+0.3	93	3	52	24	28	5.76	+2.21	2.82	0	10	9	7	14	se.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	66.6	......	89	2	41	6	41	4.55	......	2.13	0	10	14	12	4	sw.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	68.0	+0.2	90	3	46	6	38	6.75	+3.08	2.76	0	9	7	16	7	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	69.6	+0.6	91	3†	42	5	40	4.06	−0.07	1.77	0	10	12	11	7	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	72.2	−0.1	95	3†	50	6	35	4.41	+1.99	2.58	0	9	12	6	12	s.	W. S. Guiles.
Shippensburg	Cumberland	660	3	......	......	94	3	......	......	......	4.37	......	1.48	0	11	16	4	10	sw.	State Teachers College
State College	Center	1,217	52	66.6	−0.1	89	2	44	5	35	4.88	+0.76	1.88	0	9	15	11	4	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	68.7	+1.9	91	2	43	7	43	5.55	+1.23	1.60	0	10	15	2	13	w.	State Normal School.
Towanda	Bradford	754	42	66.0	+0.3	90	26	39	6†	45	2.86	−0.96	0.59	0	13	10	11	9	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	65.4	+0.9	89	2†	37	6†	47	2.65	−1.08	0.88	0	8	19	8	3	nw.	George W. Hill.
West Chester	Chester	455	87	69.6	0.0	94	3	49	23	34	3.37	−1.18	1.13	0	12	12	3	15	sw.	Harlan Saylor.
Williamsport	Lycoming	521	50	68.6	−0.4	91	26	44	6	39	2.77	−1.09	0.81	0	11	15	6	9	w.	Miss Veronica E. April
Williamstown	Dauphin	1,275	21	68.0	−0.1	91	3	44	1	38	6.73	+2.22	2.92	0	11	13	11	6	sw.	Susquehanna Collieries Co.
York	York	400	48	70.9	+0.8	95	3	45	6	42	4.65	+0.90	1.53	0	14	15	13	2	n.	York Water Co.
Ohio Drainage.																				
Beaver Dam‡‡	Beaver	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	U. S. Engineer.
Brookville	Jefferson	1,173	46	63.6	0.0	90	18†	33	5	44	2.49	−1.85	1.16	0	13	12	11	7	......	Frank S. Fawcett.
Butler	Butler	1,077	23	69.0	+1.2	95	17	42	4†	51	2.35	−2.31	1.01	0	5	16	9	5	nw.	William C. Faust.
Chambersville	Indiana	1,047	35	67.0	−0.8	90	2†	37	5	45	3.94	−0.81	1.82	0	9	15	4	11	nw.	John E. Lewis.
Clairton	Allegheny	1,020	4	69.2	......	94	17	46	29	38	1.05	......	0.28	0	7	13	6	11	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	70.8	+1.5	98	17	40	5	45	2.44	−1.86	0.98	0	9	22	2	6	s.	J. L. Melvin.
Corry	Erie	1,430	23	64.6	−0.6	91	26	36	4	48	4.07	−0.04	1.82	0	9	17	11	2	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	69.6	+0.9	91	17	41	5	44	4.76	−0.18	2.06	0	8	16	11	3	w.	Ted R. Wineman.
Donora	Washington	762	10	71.8	+0.5	97	17	47	5	40	2.32	−1.08	0.70	0	9	8	17	5	nw.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	67.0	+2.1	84	2†	43	5†	33	4.53	−0.31	1.90	0	7	22	4	4	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. S. Stevanus.
Franklin	Venango	957	62	67.9	+1.7	95	26	38	5	48	2.20	−1.93	1.20	0	6	18	3	9	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	70.2	+1.7	99	17	45	5	44	3.76	−0.63	1.09	0	7	15	13	2	w.	Westmoreland Water Co
Greenville	Mercer	950	40	......	......	......	......	37	4†	......	3.40	−0.51	1.26	0	9	15	8	7	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	67.4	+1.3	89	17†	40	3	44	1.59	−2.48	0.92	0	5	12	11	7	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	69.2	+0.6	93	17	41	5	45	3.01	−1.38	1.40	0	7	19	10	1	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	69.6	+0.2	91	17†	43	6	45	3.52	−1.68	1.22	0	8	20	5	5	n.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	4	63.4	......	85	18	35	22	37	4.25	......	1.89	0	8	13	11	6	nw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	44	68.3	−0.1	90	18	45	13	31	2.87	−2.01	1.32	0	5	11	15	4	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	68.6	+3.0	95	27	38	4	46	2.66	−1.40	1.34	0	9	15	7	8	w.	Ass'd Gas & Electric Co.
New Castle	Lawrence	808	56	66.1	−2.8	93	21	39	5	38	2.82	−1.47	0.78	0	10	11	18	1	sw.	New Castle Water Co
Newell	Fayette	800	16	70.4	+0.4	92	18	45	5	35	2.25	−1.60	0.65	0	6	12	12	6	ne.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	69.4	−1.3	93	17	49	4	32	1.61	−2.20	0.44	0	11	11	10	9	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	65.2	+1.1	90	17	35	5†	48	3.54	−0.84	1.08	0	10	12	9	9	nw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	23	70.7	+2.0	98	17	42	4†	46	2.24	−1.44	0.77	0	10	12	12	6	s.	Harry H. Gerber.
Somerset	Somerset	2,190	69	63.1	−2.2	90	18	33	5	44	2.14	−3.50	0.62	0	9	5	14	11	nw.	D. L. Grove.
Uniontown	Fayette	1,100	48	70.8	+0.7	96	17	43	5	41	1.32	−3.40	0.40	0	10	15	12	3	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	69.6	+0.2	95	26	44	5	45	3.59	−0.65	1.92	0	10	20	8	2	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	47	67.4	+2.2	86	18	44	22	37	4.05	−0.42	1.50	0	9	18	8	4	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	69.7	......	92	17†	43	5	42	2.11	......	1.06	0	5	6	16	8	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	67.2	+1.0	90	17	48	4	31	1.75	−1.59	1.28	0	13	14	11	5	n.	U.S. Weather Bureau.
For the State	......	......	49	68.5	+0.4	100	3	33	5	51	3.80	−0.30	6.92	0	10	14	9	7	w	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Beaver Dam, Beaver; of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-7-31-36-1050.

Daily Precipitation for June, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
llentown‖‖	Lehigh				.41								1.17	.87	.42	T.			.10	2.30	.15	.07			.30	.01		T.	.01	.18	.16		6.10
ltoona	Juniata							.01	.12			.74		1.53					1.04										.49		.56		4.49
nsonia‖‖	W. Br. Susq				.16				.26			.09	.48						.54	.05		T.						.06	.23	.02	.36		2.25
rdmore	Lower Del			T.								.93	T.	.35	T.		.03		2.52		T.				.52				.03	.50	.20		5.08
rendtsville	Lower Susq			.20		.29		.41	.05	.02		.46		1.00	.01					.78				.70					.30		.21		4.43
aker's Summit	Juniata							.19	.70			2.07		.58					1.43	.16			.04	.07							.32		5.56
edford	Juniata							.16	.35			1.10		1.15					.05	.30				.10	.11			T.			.51		3.83
ellefonte	W. Br. Susq							.27	.63			.18	.02	1.46	.43				.86					T.	.09			.27	.09	T.	.93		5.23
ethlehem	Lehigh				.21								1.04	.99	.28	.01			.48	1.97		.09			.28			T.	.14		.18		5.67
loserville‡‡	Lower Susq							.10	.15			.15		.10					1.70						.42				.32		.30		3.24
uffalo Mills‖‖	Juniata							.06	.54				1.20	1.07	.11					.25					.13						.36		3.72
arlisle	Lower Susq			.04	T.			.30	.11	T.	T.	.27		.40	.08				.02	1.06				T.	1.09			T.	.14	T.	.30		3.81
atawissa‡	N. Br. Susq			.04				.28	.03			.38		.70	T.				2.50		T.			.15	.30			.09	.02	.01	.70		5.20
enter Hall	Susquehanna								.22			.18		2.12						1.30					.05			.05			.14		4.06
hambersburg	Potomac			.30	.01			.33	.61			.53	.03	.11	.04				T.	.88	.06			T.	.46			T.			.22		3.58
learfield	W. Br. Susq							.10	.70	1.20		.30		.96					1.40						.02			.04	.33	.02	1.05		6.12
oatesville	Lower Del			.36	.05							1.53		.12	.05				.06	1.03					.93			.01	.46		.20		4.80
olebrook	Lower Susq			1.01				.06	.13			.24		2.56	.07	.03			.16	.76					.43			.03	1.01		.42		6.91
onshohocken	Schuylkill				.02						T.		.81	.11		.08			.97	.93					.55	T.		.01	.64		.14		4.26
oylestown	Lower Del				T								.60	.34	T.	.14			.14	1.23	T.				.31	.01		.12	.19		.40		3.48
mporium	W. Br. Susq	.05		.07				.55	.05	.03	.09	.33	.02						.55	.08				.01				.12	.03		1.27		3.25
phrata	Lower Susq			.29					T.				.50	1.49	.02	.02				1.08		T.			.70			.03	.63		.35		5.11
orest City	N. Br. Susq				.34								T.	T.	.53	.23			.52	1.49		.46			.47			T.	T.	T.	.28		4.32
reeland‖‖	Lehigh				.07				.04	T.		T.	.64	.43	.11	.03			.34	.85	.01	.12			.57	.03		.01	.01		.36		3.62
aleton	W. Br. Susq			.10				.05	.15			.22						.70	.03									.11	.03		.74		2.13
eorge School	Lower Del				.01							T.	.44	.19	.02	.49	T.		.92	.46					.27	.02		.08	.26		.42		3.58
ettysburg	Potomac			.20	.01			.07	.06	.04		.26	.13	1.85	.01	T.			.13	.39	T.			T.	.30				.02		.17		3.64
irardville‖‖	Lower Susq			.09				.19			.16		.30	.28	.02			.93	1.20					.61				.09	.07	.29	.36		4.59
ordon	Lower Susq			.56				.33					.29	.71	.22				.91	1.48					.56			.11	.11		.38		5.66
ouldsboro‖	Lehigh											1.19	.10		.23				.43	.88		2.00			.53			.25			.25		5.86
raterford	Schuylkill				.43								.42	.27	.05	.04			.67	.56								.11	.57		.34		3.46
amburg	Schuylkill			.22									.03	1.67	.67				.16	1.05					.52			.19	.07		.47		5.05
anover	Lower Susq			.45	.30			.33	.25	.04			.07	1.05		T.			T.	.98				T.	.59			T.	.26		.14		4.46
arrisburg***	Lower Susq			.01	.02			.15	T.			.25		1.36	.05				1.37	T.	T			.01	.34			T.	.61	.02	.42		4.61
awley‖‖	Upper Del												.58		.87	.28			.49	1.08		.57			.35	.09		T.	.03		.04		4.38
ollisterville	Upper Del												.65	T.	.76	.08			.96	.53	1.46				.49	.04		T.	.09		.03		5.09
oltwood‖	Lower Susq			.27					T.			.09		.16	.18	.24				.10				T.	.55	.06		T.	.19		.19		2.03
untingdon	Juniata							.03	.45			.78			.48				1.70					.12	.04			T	.15		.55		4.30
yndman	Potomac							.26	1.01			.64		2.63					.02	.13					.14						.33		5.16
ylertown***	W. B. Susq							.33	.04			.54	.01	.74	T.	T.			.74					T.			T.	.05	.17	.35	.63		3.60
akeville‖‖	Upper Del										T.		.39	.01	1.11	.02	T.	.05	.76	1.25	T.	1.31			.48	.08					.01		5.47
ancaster	Lower Susq			.22	.08				T.			T.	.05	1.58	.27					1.27					.61			.01	.27		.19		4.55
ansford‖‖	Lehigh				.36								1.10	1.07	.15	T.			.25	1.00					.67	T.		.01	*	.14	.22		4.97
awrenceville	N. Br. Susq			.18				.18	.30			.32							.70						.10			.35	T.		.10		2.23
ebanon	Lower Susq			.13				.02	.03			.06	.88	.61	.09			.11	.98	.74				.35	T.		T.	T.	.49	.47	.10		5.06
ehighton‖‖	Lehigh				.17								1.05	.40	.04				.23	1.03					.43				.12	.11	.18		3.76
ock Haven	W. Br. Susq							.31	.30	.08		.17	.23	.26	.34				.43	.05					.05			.12	.03		.70		3.07
arcus Hook	Lower Del				.03								1.13	.58		.04			.24	.55					.19	.10			*	.30	.12		3.28
atamoras‖‖	Upper Del				.71				.10				.09	.23	.78	.22			.31	.74	.11				.02	.03					.10		3.44
auch Chunk	Lehigh																																......
ontrose	Susquehanna			.26					.05			.26	.02	.08	.37				.46	.58		.28			.39			.14			.07		2.96
orris Run	N. Br. Susq			.02				.03	.07			2.36			.14	.05			.75						.13		.05	.30	.07		.45		4.42
ount Pocono	Upper Del			.16							1.00			1.76	.10							2.06			.32			.20					5.60
uncy Valley	W. Br. Susq			.20				.09	T			T.	.29	T.					.24	2.16					.76			.09			.43		4.26
eshaminy‖‖	Lower Del			T.								.65	.06	.28	.02	.43			1.52	.65		T.			.36			.02	.33		.40		4.72
ew Park	Lower Susq			.36								1.45	.76	.08	.10										.67						.15		3.57
ewport‖‖	Juniata				.05				.12	.12			.02	.50	.90				.33	2.28						.52			.21	.33	.55		5.93
almerton‡	Lehigh			.18								1.37	.01	.57					1.32						.48			.03	.11		.68		4.75
aupack‖‖	Upper Del												.09		1.30	.03			.40	1.35		.80			.30	.07			.05		.02		4.41
hiladelphia***	Lower Del			.01	.03					T.	T.	.78	T.	.12	T.	.06			1.82	T.	T.			.01	.52			.03	.41		.17		3.96
hila. Navy Yard ‖‖	do				.05	T.					T.	T.	1.01	.22	.05	T.	.01		.17	2.44	.01				.23	.41			.02	.63	.15		5.40
hila-P'nt Breeze.‡	Lower Del			.02	.02						T.	.92	*	*	.34	.09			1.36	.05				*	.54			*	.50		.16		4.00
hoenixville	Schuylkill				.04								.40	.32					.59	.73		T.			.54			.02	.36		.29		3.29
ine Grove	Lower Susq			.08				T	T.			.03		1.22	.20				1.79	T.				.10	.37			.22	.20	.09	.50		4.80
leasant Mt.‖‖	Upper Del			.30				.04				.06			.59				1.90		.40				.42			.06			.04		3.81
ottstown	Schuylkill			.30	.01			T.	T.	T.		.10	1.65	1.15	T.	T.			1.15	T.	T.				.50			T.	.19	T.	.52		5.57
ottsville	Schuylkill			.14	.02			.03	.05				.02	.64	.28	.03			.21	.85					.55			.23	.12		.34		3.51
uakertown	Lower Del			.39	.24								.84	6.92	.09				1.93	.61					.40			.15	.13		.31		12.01
eading***	Schuylkill			.34	.02			T.	T	T.		.09	1.71	1.19	T.				1.13	T.	T.			T.	.58			.01	.18	T.	.51		5.76
enovo.‖‖	W. Br. Susq				.04			.25	.39	.08		.23	2.00		T.				.67	.22								.04	.02	.05	.63		4.62
etreat	N. Br. Susq			.10				T.				.14	.11	2.13					.47	.43		.12			.52			.15			.38		4.55
ranton***	do	T.		.08				T.	T.			1.52		.10	.23	T.			1.48	T	2.76	T.			.44			.06	T.	T.	.08		6.75
linsgrove	Lower Susq							.16	.04					.70	.10				.90	.87					.75			.12	.04		.40		4.08
hawmont	Schuylkill				T								.38	.51		.02			.13	2.45					.23	T.		.05	.43		.21		4.41
hippensburg	Lower Susq			.49				.34	.21			.18	.18	.65	.01				.01	1.48					.55				.27				4.37
ate College	W. Br. Susq							.25	.43			.06	T.	1.88	T.				1.07	T				.15	T.			.05	.09	T.	.90		4.88
roudsburg‖‖	Upper Del			.20								.60		.80		.50			1.00	1.60	.05				.40			.15			.25		5.55
nbury‖‖	Lower Susq							T	.05	.03		T	T.	.11	.86	T.			1.14	.70	T.				.26		T.	T.	.08		.61		3.84
squehanna‖‖	N. Br. Susq				.07							T	.08		.03	.46			.27	.78		.91			.25			.06	.09				3.00
owanda	do	.03		.03				.25	.31	T.		.59	.01	.37	.03				.47	.09	T.				.35			.22	T	T.	.11		2.86
eikert	Lower Susq							.40	.54					.82	.04				.78						.35			.10	.12		.84		3.99
ellsboro	W. Br. Susq			.19				.03	.25			.88		.13					.45					T.				.29	T.		.43		2.65
est Chester	Lower Del			.05	.03							.49		.36	.02	.01			.98	.15	T.			T.	.50			.03	.54		.21		3.37
estgrove‖‖	do				.15	T.							.56	.63	.13					.16					.40	.64				.23			2.90
ilkes-Barre‖‖	N. Br. Susq				.06				.02	T.			1.30	.07	.26	.12	T.		.15	1.92	T.	.01			.51			T.	.22	T.	.14		4.78
illiamsport‖‖	W. Br. Susq				T.				.20	.01		.02	.39		.44				.31	.50					.30			.08	.04	T.	.48		2.77
illiamstown	Susquehanna			.21				.18	.01				T.	1.08	.12				.74	2.92					.48			.07	.41		.51		6.73
ork	Lower Susq			.24	.20			.12	.03				.05	1.53	.42	.03			.12	1.08					.58			.03	.02		.20		4.65
ork Haven‖‖	Lower Susq			T.	.87				.22	.08			.13	1.70	.38	.33				.70					.39					.23	.26		5.29
ousville..(near)	Schuylkill				.34							.10		2.20	.30				.25	1.12					.45	.03		.04	.32		.40		5.55
renton, N. J***	Lower Del			T.	T.							.42	.01	.15	T.	.51			.35	.05	T			.03	.20			.07	.21		.39		2.39

Continued on page 29.

Daily Precipitation for June, 1936—Continued from page 28

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Falls‖‖	Beaver		T.		T.				T.	.04		T.	.15			T.			.22	.02					.32	T.			.07	T.	.54		1.36
Bradford	Allegheny			.01				.04	.02			.02	T.						.50						.01	T.		.11	.04		.79		1.54
Brookville‖‖	...do		.02		.07			.02	.02	.08		.02			.29				.43	.18					.07			.06		.07	1.16		2.49
Butler	Ohio			.02				.21				1.01						.20													.91		2.35
Chambersville	Allegheny							.20	.02			.73	.03	1.82					.17						.13			T.	.18		.66		3.94
Clairton‡	Monongahela							.18	T.		.02	.23	.28	.06					.27					.01				T.					1.05
Claysville	Ohio							T.	.02	.08	.04	.98		.03					.18					T.	.02			T.	.44	T.	.65		2.44
Confluence‖‖	Youghiogheny								1.55	.10		.05	.85	.35						.40									.08		.45		3.83
Corry	Allegheny			.05				.31	.09		.21	.18							1.32						.06					.03	1.82		4.07
Derry	Conemaugh								.10		.10	.90	.05	2.06					1.05						T.			.10			.40		4.76
Donora‖‖	Monongahela								.28			.16	.10	.21					.14	.40						.02		T	.70		.31		2.32
Ebensburg	Conemaugh								T.			.38	.04	1.90	.05				1.50	.10											.56		4.53
Elk Lick	Youghiogheny																																
Franklin‖‖	Allegheny											.38							.30	.11								.15	.06		1.20		2.20
Greensboro‖‖	Monongahela								1.18			.11	.31	.16					.15						T.	.03		T.	.32		.30		2.58
Greensburg	Youghiogheny							.03	.64			1.09	.02	.75					.87					T.	T.			T.		T.	.36		3.76
Greenville	Beaver							.08	.38		.99	.03							.49						T.			.11	.05	.01	1.26		3.40
Grove City	...do							T.	.21			.32	T.						.12						.02				T.	T.	.92		1.59
Herrs Isl. Dam‖‖	Ohio							T.	.22	.78		.15	.06	.24	.07				.42	.53					.03	.02		T.			.33		2.85
Irwin	Monongahela							.02	.22			.28		1.40					.71	.03				T.	T.			T.	T.	T.	.35		3.01
Johnstown	Conemaugh							T.	.04		T.	1.09		1.22					.35					.01	T.			.37	.06		.38		3.52
Kane (near) ‡‡	Allegheny	T.		T.				.10		1.14		.29							.60									.14	.07	.02	1.89		4.25
Kregar‖‖	Youghiogheny							.32	T.		.07	.25	.70	.15				.06	T.					.02	T.			.09		.40	.57		2.63
Lake Lynn‖‖	Monongahela								.57				.10						.25	.02					.03				.10		.20		1.27
Linesville‖‖	Beaver	.07							.07		.07								.19					.04				.07			1.10		1.61
Lock No 2‖‖	Ohio								.90	.45		.03	.47	.75					.08	.27					.01	T			T.		.40		3.36
Lock No. 4‖‖	Monongahela								.54			.80	.04	T.	T.				.13	.45					T.	T.			.07		.45		2.48
Lock No. 5‡‡‖‖	Allegheny							T.	.25	.66		.19	.23	T.	.27				.46	.30					.06			T.			.69		3.11
Lyclppus	Conemaugh								.33			.53		1.32				.31										T.			.38		2.87
McKeesport‖‖	Monongahela								.29			.40	.32	.30	T.				.28						T.						.22		1.81
Meadville	Allegheny							.31	.26	.01		.08							.36						.03			.21	.06	T.	1.34		2.66
Midland	Ohio									.11		.03	.22	T.					.25	.10					.04			T.			.48		1.23
Mosgrove‖‖	Allegheny	T.			.04				.01	.02		.95	.32	.03	.29			.47		.29					.06		T.		.13		.70		3.31
Mount Lebanon	Ohio							.90	.36		.34	.18	.14	.06					.55					T	.03					.02	.32		2.90
Natrona‖‖	Allegheny								.06	.05		1.82	.50	.04	.24				.65	.20					.06	.01		T.	.06	.02	.52		4.23
New Castle‖‖	Beaver	T.							.40	.56	T.	.42	.30	.01		.01			.25	.05					.04	T.					.78		2.82
Newell	Monongahela							.65			.60	.20						.12			.13										.55		2.25
Parkers Landing‖‖	Allegheny	T.			T.				T.	T.		.05	.03						.42	.46					T.			T.	T.	T.	1.10		2.06
Pennline‖‖‡‡	Beaver		.05	.02	T.			.06	.07										.03	.19					.02			.22			1.21		1.87
Pittsburgh***	Ohio							.25	.10		.25	.20	.37	.01	T.			.10	.05					T.	.01			T.		.01	.26		1.61
Punxsutawney‖‖	Allegheny																																
Ridgway	...do		.01		.03				.09	T.		.88		.29	.02				.49	.56					T.			.05	.04	T.	1.08		3.54
Saltsburg‖‖	Conemaugh																																
Sharon‖‖	Beaver				.02				.08	.62		.20	.02				.01		.48	.02					.02			T.			.77		2.24
Smethport‖‖	Allegheny	T.							.76	T.	T.	.84								.64					T.						.67		2.91
Somerset	Youghiogheny								.43			.20		.45					.19	.04				.02	.04				.15		.62		2.14
Springdale‖‖‡‡	Allegheny								.11	.06		.48	.26	.10	.21				.41	.34					.04				.13		.51		2.65
Uniontown	Monongahela							T.	.40		.05	.17	.01	.12					.13	.06	.02			T.	T.			T.	.09		.27		1.32
Unity Reservoir‡‡	Youghiogheny							.14	.54			1.40	.03	1.33					.50						.04			.01			.34		4.33
Vandergrift‡	Conemaugh								.08		.02	1.92	.02	.19					.53					.01	.07					.05	.70		3.59
Warren	Allegheny							.06	.92			.20							.86						.12			.05	.04	.30	1.50		4.05
Waynesburg	Monongahela											1.06							.28									.20	.07		.50		2.11
Westford‖‖	Beaver	.02						.02			.20							.12	.42								.22		.03	1.35	.03		2.41
West Newton‖‖	Youghiogheny								.33			.11	.15	T.					.16	.45					T			T.	.43		.29		1.92
Lake Drainage.																																	
Erie***	Lake Erie	.06	.01	T.				.09			.12	.05	.01		T.			.03	.02						T.		.03	.03	02	.63	.65		1.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.93	30.30	22	29.43	1	10.9	32	sw.	2	65	57	64	65
Harrisburg	29.91	30.24	23	29.59	1	7.2	25	sw.	18	70	53	58	62
Philadelphia	29.93	30.29	23	29.57	28	12.3	33	s.	18	72	55	62	54
Pittsburgh	29.91	30.23	22	29.55	1	9.6	32	nw.	17	67	49	55	77
Reading	29.91	30.24	23	29.57	28	10.4	36	nw.	3	68	52	59	54
Scranton	29.92	30.29	23	29.57	1	6.4	28	nw.	3	70	50	57	66

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.5	4.1	20	1.9	14	18
Phillipsburg	Delaware	2.1	3.8	20	1.0	12	22
Lehighton	Lehigh	2.8	3.3	19	2.5	10	7
Wilkes-Barre	Susquehanna	2.8	4.6	21	2.2	30	20
Williamsport	Susquehanna	1.2	2.4	13	0.6	30	20
Harrisburg	Susquehanna	3.7	4.2	20	3.4	10	18
Greensboro	Monongahela	10.3	11.0	10	9.6	29	30
West Newton	Youghiogheny	0.3	1.2	14	0.1	30	20
Lock No. 4	Monongahela	11.0	11.8	13	10.4	30	30
Pittsburgh	Ohio		11.5*	14	9.8*	28	25
Midland	Ohio		10.0*	15	8.8*	29	30

* —Pool stage.

Daily Temperatures for Juno, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	84	89	85	73	76	82	80	76	77	79	77	78	70	79	81	78	89	80	77	86	76	79	66	69	78	87	81	78	76	69	....	78.0
	Minimum	49	54	64	47	42	43	56	62	62	67	61	60	60	63	62	52	48	61	58	69	50	43	41	49	49	69	64	61	45	55	....	63.6
Bedford	Maximum	89	92	92	84	79	86	83	82	83	84	86	76	76	80	84	83	87	91	83	90	88	77	76	59	80	80	83	83	81	81	....	82.5
	Minimum	42	52	57	54	42	41	56	63	61	57	61	52	54	63	52	52	50	67	63	63	63	47	45	50	47	57	68	70	44	57	....	55.0
Bethlehem	Maximum	87	91	94	92	80	86	87	86	82	84	88	86	78	71	80	81	85	84	82	82	84	77	78	64	79	88	88	80	80	79	....	82.8
	Minimum	52	67	68	60	52	60	55	61	60	59	65	64	62	60	61	61	51	64	62	66	68	54	51	60	56	62	70	64	68	57	....	59.6
Brookville	Maximum	71	78	87	74	73	77	86	86	85	84	85	81	79	77	83	83	78	90	84	80	88	74	72	73	68	81	90	86	76	77	....	80.2
	Minimum	44	48	50	38	33	35	53	58	52	61	58	68	50	42	48	46	42	60	54	54	44	35	36	87	43	46	56	47	86	64	....	47.0
Butler	Maximum	80	87	88	72	90	91	85	89	89	88	71	76	78	86	86	86	95	93	91	92	90	86	72	70	85	91	88	86	86	77	....	84.7
	Minimum	54	61	54	42	45	42	61	56	56	61	60	57	53	54	55	63	44	64	65	58	55	52	44	54	45	56	70	45	42	56	...	63.4
Carlisle	Maximum	87	92	97	73	81	86	84	71	83	82	89	79	76	81	86	82	88	93	86	88	85	76	76	72	81	91	89	84	80	78	....	83.2
	Minimum	50	62	64	62	48	45	65	61	62	59	65	63	63	59	60	60	49	68	63	66	69	62	46	50	58	60	68	55	64	58	....	68.5
Catawissa	Maximum	86	92	92	81	82	88	77	84	89	86	83	82	71	80	86	82	86	87	96	90	81	78	78	69	82	89	83	82	82	73	....	83.2
	Minimum	53	61	60	48	44	42	44	59	61	58	65	62	60	60	59	60	45	62	60	53	58	45	47	52	56	57	56	60	48	57	....	55.4
Chambersburg	Maximum	87	94	98	79	82	87	82	74	84	82	89	78	78	81	86	83	88	90	86	91	86	77	71	63	83	92	82	87	84	79	....	83.4
	Minimum	52	59	64	62	50	47	57	63	62	59	63	51	52	69	57	67	62	68	63	55	70	55	47	51	47	59	64	68	55	59	....	68.6
Chambersville	Maximum	84	90	81	74	77	88	88	84	87	87	81	77	75	83	84	81	89	87	83	90	87	71	71	63	83	89	84	82	77	77	....	81.8
	Minimum	50	64	58	42	37	43	62	61	67	58	60	57	41	48	52	52	60	61	57	59	54	40	44	48	41	54	64	61	40	50	....	52.2
Claysville	Maximum	85	91	88	79	80	93	91	87	87	90	82	74	79	86	91	88	98	96	87	95	92	77	74	54	87	94	93	84	83	82	....	85.9
	Minimum	66	64	58	47	40	48	67	63	58	51	60	55	47	46	64	53	68	65	59	60	57	48	47	51	45	61	71	66	44	58	....	55.6
Clearfield	Maximum	82	88	87	82	79	84	86	84	81	82	83	72	75	82	85	82	86	86	82	89	81	72	72	68	65	82	89	88	77	69	....	80.7
	Minimum	42	45	53	43	39	38	53	61	60	54	61	51	50	61	53	50	45	61	58	58	50	40	39	47	50	43	60	59	42	55	....	50.0
Coatesville	Maximum	86	86	96	75	78	85	85	85	83	84	86	80	70	75	82	80	85	84	83	86	83	76	74	61	80	84	84	82	83	78	....	81.3
	Minimum	51	61	67	63	52	50	52	58	58	59	65	64	60	69	59	61	51	66	63	65	70	56	47	52	53	59	66	62	53	57	....	58.6
Corry	Maximum	87	78	69	74	87	88	80	78	87	89	70	72	86	84	82	75	90	85	86	86	79	70	76	84	88	91	82	69	70	60	....	80.1
	Minimum	50	48	44	36	39	50	52	40	54	63	56	56	52	56	42	51	48	57	52	57	48	39	44	41	52	66	54	46	41	48	....	49.0
Emporium	Maximum	82	88	88	76	77	83	84	82	84	83	84	78	82	84	86	80	86	86	85	90	82	74	75	70	81	90	87	77	79	69	....	81.7
	Minimum	51	50	56	42	37	40	52	61	63	65	62	60	62	64	51	50	44	62	59	61	48	38	39	50	44	50	62	55	41	56	....	52.2
Erie*	Maximum	82	88	60	67	72	88	79	73	79	86	70	69	76	78	78	70	90	83	77	83	66	68	73	69	80	85	76	69	69	67	....	75.7
	Minimum	59	58	50	48	52	57	66	62	63	67	56	58	57	57	62	59	59	63	61	63	54	50	67	58	58	68	65	62	53	67	....	58.6
Franklin‡	Maximum	83	88	75	77	83	90	90	86	92	89	72	79	85	88	90	86	94	86	93	93	77	78	76	77	88	95	90	81	77	67	....	84.1
	Minimum	55	61	53	40	38	42	59	60	57	58	65	57	46	45	54	52	48	59	59	59	46	39	43	52	44	53	60	52	42	64	....	51.7
Freeland	Maximum	78	84	88	68	73	77	76	74	78	78	78	71	71	70	75	73	78	75	75	79	78	68	77	60	73	82	80	73	75	69	....	75.1
	Minimum	58	63	62	53	42	51	56	57	59	56	60	57	59	54	57	54	51	61	58	63	58	45	49	46	51	60	62	60	49	52	....	55.4
Gettysburg	Maximum	87	92	96	75	80	85	86	72	82	81	88	78	77	81	85	82	87	89	81	81	85	79	72	67	79	88	86	86	86	82	....	82.5
	Minimum	51	62	68	65	52	51	58	64	60	61	65	62	61	59	60	69	53	68	65	65	71	58	49	53	53	62	68	68	54	58	....	60.4
Greensburg	Maximum	82	87	92	80	83	91	87	82	83	92	82	73	72	80	89	79	99	89	82	92	91	76	76	60	81	89	85	90	77	79	....	83.3
	Minimum	54	65	54	49	45	50	67	63	60	64	63	57	53	55	58	56	55	63	61	62	60	48	50	52	48	60	70	64	47	58	....	57.0
Grove City	Maximum	82	85	84	85	78	85	87	77	86	86	80	76	80	85	86	84	89	81	84	89	86	71	70	69	81	88	88	82	71	69	....	81.4
	Minimum	55	60	40	41	42	48	64	60	69	60	55	64	60	50	68	52	58	60	58	51	45	41	50	51	53	60	66	57	44	58	....	53.3
Hamburg	Maximum	87	93	97	75	79	83	86	81	84	84	90	80	79	75	81	81	85	84	81	85	87	79	75	72	81	92	89	81	81	79	....	83.0
	Minimum	53	59	54	51	51	48	56	51	60	55	64	65	63	59	59	63	49	56	62	65	70	54	48	50	57	57	52	53	51	57	....	58.5
Harrisburg*	Maximum	84	92	93	74	77	81	79	71	82	79	82	78	72	77	84	78	86	88	81	86	82	74	75	62	80	91	81	82	80	71	....	80.1
	Minimum	57	64	59	59	55	52	50	51	53	55	55	65	53	53	63	61	54	52	53	68	63	57	55	52	54	52	70	50	60	58	....	60.8
Hawley	Maximum	80	88	90	71	75	82	81	80	80	79	75	74	71	64	75	75	82	74	75	83	78	71	72	54	78	84	79	74	75	70	....	76.7
	Minimum	43	64	50	51	38	35	41	58	52	54	57	60	58	53	58	51	40	61	50	61	54	39	38	47	51	51	51	55	44	54	....	51.7
Holtwood	Maximum	84	90	93	75	78	85	84	75	84	82	87	81	75	77	82	78	84	85	82	88	82	79	74	52	79	88	79	81	82	75	....	81.0
	Minimum	55	61	68	55	58	55	59	53	56	56	55	57	65	63	64	65	57	72	58	68	73	61	56	55	58	62	72	65	59	59	....	63.5
Huntingdon	Maximum	87	93	90	77	80	85	82	81	84	81	79	78	....	79	....	81	88	85	84	90	81	75	71	64	81	90	82	81	79	69	....	81.4^b
	Minimum	43	50	50	50	41	40	55	64	54	54	55	54	....	55	....	52	47	62	61	62	55	47	43	51	48	51	54	60	46	57	....	53.2^b
Johnstown	Maximum	86	90	86	75	81	88	89	80	87	85	89	75	75	83	87	82	91	90	84	91	87	78	72	72	82	91	84	82	79	80	....	83.5
	Minimum	50	50	59	52	44	43	58	54	63	59	63	50	56	55	54	53	51	54	51	50	58	48	46	52	45	57	66	55	65	59	....	55.7
Lancaster	Maximum	85	90	93	76	81	83	83	80	82	81	87	82	79	80	87	83	84	85	83	83	85	85	79	55	83	92	89	84	84	80	....	83.3
	Minimum	45	60	52	52	47	44	51	57	59	59	65	61	60	51	58	56	50	66	52	54	68	55	48	53	52	54	65	60	52	58	....	57.1
Lawrenceville	Maximum	83	93	88	75	80	89	85	78	88	88	88	78	81	81	84	82	88	84	87	92	85	76	78	75	83	90	85	85	80	75	....	83.5
	Minimum	53	58	55	47	39	39	52	51	60	55	62	57	49	53	49	49	40	68	57	59	50	38	37	51	42	52	61	58	41	55	....	51.6
Lebanon‡	Maximum	87	93	97	75	80	83	85	75	83	83	90	81	75	78	84	80	87	88	84	88	82	75	75	68	81	91	82	82	81	72	....	82.2
	Minimum	52	51	54	52	48	45	58	61	61	51	67	51	52	59	50	60	51	57	53	57	70	54	52	52	53	57	68	61	52	57	....	58.9
Marcus Hook*	Maximum	91	96	95	81	87	87	85	81	81	91	91	80	72	81	83	87	83	81	88	89	87	75	58	80	95	93	83	85	84	75	....	84.5
	Minimum	57	71	65	58	50	58	60	62	64	66	58	54	52	54	56	50	69	55	69	75	59	55	54	57	57	71	65	59	60	54	....	53.5
Meadville	Maximum	83	88	88	74	80	90	85	85	88	89	84	77	83	85	85	83	93	90	85	88	86	75	78	75	84	92	95	84	72	68	....	83.7
	Minimum	57	58	51	38	40	44	64	52	57	53	55	56	45	44	56	54	55	61	59	51	46	42	52	53	45	58	54	54	43	55	....	53.5
Montrose	Maximum	75	84	79	55	70	78	78	71	81	82	80	75	70	65	75	72	80	75	79	82	75	67	72	64	75	84	77	71	72	58	....	74.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mount Pocono	Maximum	58	75	79	59	71	79	76	75	74	75	73	74	71	62	68	72	74	73	71	70	74	60	64	63	70	74	58	73	75	70	....	71.0
	Minimum	48	50	45	35	38	40	42	41	44	46	48	53	50	46	50	54	55	54	51	58	45	38	40	43	42	46	58	56	54	50	....	47.4
Philadelphia*	Maximum	83	89	93	77	80	85	85	84	81	81	88	79	69	69	80	82	83	81	78	85	85	75	71	62	77	90	79	81	81	74	....	80.3
	Minimum	58	67	71	55	61	53	62	61	52	63	54	67	62	61	64	65	63	55	55	68	65	61	59	55	59	54	69	65	63	60	....	53.3
Pittsburgh*	Maximum	82	87	75	71	75	89	85	82	81	84	78	73	75	82	83	79	93	91	83	90	76	72	68	60	82	90	85	80	75	79	....	80.3
	Minimum	55	64	55	49	52	57	65	61	50	64	56	57	55	55	64	57	61	64	61	56	57	50	54	52	50	65	70	62	55	57	...	58.4
Quakertown	Maximum	85	91	96	72	77	83	84	82	80	82	87	75	74	71	75	79	82	81	80	83	83	76	77	54	81	87	89	77	79	79	....	80.4
	Minimum	46	59	65	59	45	42	45	57	54	55	53	53	60	50	56	50	46	63	52	64	67	61	45	54	55	56	58	63	50	57	....	56.7
Reading*	Maximum	84	88	93	73	76	82	83	76	81	80	85	77	69	74	80	78	84	83	79	84	81	74	71	61	78	89	79	80	78	70	....	79.0
	Minimum	58	57	57	62	55	55	60	63	62	52	57	65	52	60	51	62	55	54	64	58	50	57	54	52	57	55	72	53	59	58	....	51.2
Ridgway‡	Maximum	80	88	76	86	75	85	85	86	84	85	81	77	77	83	84	78	90	83	84	87	73	72	75	70	80	85	85	76	75	64	....	80.4
	Minimum	50	60	55	38	35	38	54	59	58	53	61	59	50	47	51	48	45	60	57	56	43	35	39	45	44	47	62	48	35	57	....	50.0
Scranton*	Maximum	81	90	90	71	74	83	82	80	83	85	83	78	72	70	80	75	85	78	81	85	73	71	73	63	79	88	76	75	77	56	....	78.2
	Minimum	60	63	50	53	48	45	57	63	62	59	53	53	60	58	62	58	47	55	62	65	54	50	47	51	56	63	68	52	53	57	....	57.9
Selinsgrove	Maximum	84	90	91	79	81	84	83	74	84	84	81	89	75	79	84	78	87	91	84	87	85	73	73	55	79	89	83	81	80	74	....	81.7
	Minimum	63	58	63	50	42	52	57	53	52	53	64	62	53	59	58	68	47	58	61	64	53	48	45	50	51	58	65	61	50	55	....	57.5
Somerset	Maximum	80	84	82	74	75	80	82	75	75	79	80	70	58	76	79	77	85	90	79	85	82	73	67	55	77	85	82	78	74	80	....	77.7
	Minimum	47	43	60	46	33	35	51	60	57	53	54	55	45	44	44	41	43	59	54	53	57	42	37	45	42	53	61	60	34	55	....	48.5
State College	Maximum	83	89	84	73	77	82	79	76	79	78	80	74	65	74	80	82	84	82	82	87	76	71	71	52	78	85	81	78	77	66	....	77.9
	Minimum	53	61	65	51	44	47	62	52	50	57	55	60	52	54	52	54	49	61	59	52	58	45	45	48	48	52	63	61	50	53	....	55.4
Stroudsburg‡	Maximum	84	91	88	84	87	83	83	83	85	82	83	80	78	79	79	76	87	72	82	84	89	87	79	76	81	84	89	86	78	78	....	82.6
	Minimum	51	63	59	54	55	49	43	59	55	59	45	52	61	67	59	57	44	49	62	64	52	49	46	51	58	61	53	55	48	54	....	54.8
Towanda	Maximum	78	88	82	71	74	82	81	69	85	82	85	76	70	69	81	72	85	78	82	86	73	71	76	63	81	90	79	75	78	58	....	77.7
	Minimum	56	57	58	55	40	39	49	61	53	55	62	60	53	56	55	52	40	64	61	63	54	42	39	51	49	56	63	60	45	55	....	54.2
Uniontown	Maximum	83	88	84	77	79	91	85	82	83	85	82	70	71	81	83	81	96	94	85	92	86	77	72	51	85	92	86	88	82	87	....	83.0
	Minimum	56	63	62	54	43	55	67	52	65	65	65	58	51	50	58	54	55	64	65	63	62	54	57	52	47	63	70	57	47	61	....	58.5
Vandergrift*	Maximum	85	91	81	77	78	90	89	92	88	87	82	78	74	84	86	82	94	85	84	90	78	75	73	65	86	95	89	83	80	79	....	83.4
	Minimum	53	61	55	50	44	45	56	54	59	52	54	59	56	55	59	56	54	64	51	52	56	59	51	52	47	55	59	53	45	57	....	55.8
Warren	Maximum	80	85	84	68	58	78	80	82	80	83	85	70	75	82	82	81	82	85	84	80	84	58	68	72	75	82	85	80	72	72	....	78.5
	Minimum	53	58	51	45	45	46	67	65	52	55	55	59	53	46	56	57	55	54	60	64	47	44	50	56	50	59	65	59	49	59	....	56.2
Waynesburg	Maximum	82	86	86	78	78	87	87	81	84	85	85	72	75	79	84	84	92	92	80	87	87	76	75	64	83	88	88	79	82	84	....	82.4
	Minimum	56	71	51	51	43	45	57	61	57	62	63	57	50	50	57	56	54	54	62	61	60	52	49	51	47	60	71	65	45	60	....	57.0
Wellsboro	Maximum	81	89	80	71	75	84	82	75	85	82	87	75	73	75	82	75	84	82	86	89	74	72	75	64	80	88	84	75	76	57	....	78.9
	Minimum	45	55	55	48	57	37	50	59	50	53	59	57	51	51	47	51	61	60	55	57	47	37	37	51	61	52	60	53	40	53	....	52.0
Williamsport	Maximum	84	90	88	77	79	83	80	75	85	80	84	78	75	75	83	77	84	82	80	89	86	75	72	57	82	91	85	80	82	73	....	80.7
	Minimum	54	55	59	59	45	44	56	64	63	52	54	63	59	60	55	57	45	55	52	54	62	45	45	52	50	54	54	60	49	56	....	55.4
Williamstown	Maximum	82	88	91	74	79	83	81	74	82	80	82	84	77	81	84	81	84	85	82	84	79	78	73	65	77	87	85	81	78	73	....	80.5
	Minimum	44	52	65	51	49	52	59	59	60	50	63	51	58	54	57	54	59	55	55	55	51	47	51	48	49	51	62	60	51	53	....	55.6
York	Maximum	87	92	95	75	79	87	85	71	82	81	89	78	77	79	85	83	85	88	83	91	89	81	75	64	82	92	92	84	82	79	....	83.1
	Minimum	48	56	65	54	48	45	55	61	51	60	62	60	51	61	62	55	50	70	54	63	69	57	49	53	52	55	57	60	49	58	....	58.7

* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

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CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA. PA.

ol. XLI. July, 1936. No. 7.

GENERAL SUMMARY.

A moderate temperature excess for July was due to a hot week hat centered on the 9th and 10th. During that period a new uly maximum was established for the State with a tempera- ure of 111 degrees at Phoenixville on the 9th and 10th. In act it was an absolute maximum for all available records. Sev- ral stations exceeded their previous July records, among them eing Philadelphia with a maximum of 104 degrees. Except- ng this hot period, the temperatures were mostly near the nor- al. The rainfall averaged about two-thirds of the July nor- al, and was very unevenly distributed. The greatest monthly ainfall was in the region of York and Dauphin Counties. Good ains in most of the Ohio drainage relieved a drought condition at developed in June to a degree that caused much concern. n the other hand the rainfall was generally deficient in the elaware drainage, which was the most favored region in June. his deficiency in moisture became rather serious by the end of e month, especially as it affected the pastures and meadows. he rainfall in the northern tier of counties was deficient in oth months, and the top soil became too dry to cultivate or low. Many pastures turned brown, and presented the appear- nce of late October. The first cutting of hay was finished dur- g the month, and reports indicated a fair crop of alfalfa, with enerally light yields of timothy and clover. Wheat harvest egan near the end of June, about a week earlier than usual, d was nearly finished in the southern counties during the first July. The crop was generally reported as fair, the heads be- g well filled, but short in some regions. Threshing was in full ving during the second week. Oats harvest began about the iddle of the month. The crop ranged from very poor to fair, large portion being too short of straw to cut with a binder, d was mowed for feed. Corn appeared to suffer least of all the crops from a lack of moisture, and, excepting the driest gions, it was mostly good. Good rains covered the chief corn owing sections during the last week, at a time when the early elds were in tassel, and in good season to favor the earing ocess. These rains were helpful to much of the potato crop, t were rather light in the chief potato growing counties of ehigh and Northampton. Digging and marketing of the early op began about the middle of the month, and fair returns were enerally reported. The growth of truck crops slowed up con- derably during the second and third weeks, and the rains of the urth week were helpful. Severe thunderstorms occurred in the uth-central portion of the State on the 12th, with much dam- e by wind, and some hail and lightning. York and Dauphin ounties seemed to be the chief sufferers. Hailstorms of unusu- extent and severity occurred in the southwestern part of the ate on the 27th. The path of great destruction was ten miles wide in some places, and it appears that the total damage from wind, hail, and lightning exceeded a half-million of dollars.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 87 stations, was 73.5°, which is 1.3° above the 49-year normal. The highest monthly mean was 79.8° at Marcus Hook, and the lowest was 64.7° at Gouldsboro. The highest temperature recorded was 111° at Phoenixville on the 9th and 10th. The lowest temperature recorded was 37° at Gouldsboro on the 31st. The greatest daily range in temperature was 51° at Lawrenceville on the 8th.

PRECIPITATION.

The average precipitation for the State, as deduced from the reports from 137 well-distributed stations, was 2.88 inches, which is 1.40 inches less than the 49-year normal. The greatest monthly amount was 7.68 inches at York, and the least amount was 0.37 inch at Pleasant Mount. The greatest amount for any 24-hour period was 3.00 inches at Meadville on the 23d-24th.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.2	97	38	3.45	....	8	15	10	6
1889	71.6	96	39	6.80	....	13	12	10	9
1890	70.7	101	33	3.52	....	8	13	11	7
1891	67.8	97	34	6.32	....	13	11	10	10
1892	73.1	103	38	3.93	....	10	15	11	5
1893	72.1	102	36	3.15	....	10	15	12	4
1894	73.8	103	31	2.32	....	7	15	11	5
1895	69.1	102	34	3.24	....	9	12	12	7
1896	72.8	98	40	6.89	....	14	10	11	10
1897	73.4	103	41	6.26	....	14	10	11	10
1898	74.8	107	33	3.36	....	9	12	12	7
1899	72.3	101	35	3.91	....	10	12	11	8
1900	74.0	104	35	4.86	....	11	14	12	5
1901	76.4	107	45	3.88	....	11	10	13	8
1902	71.8	99	41	6.04	....	15	10	12	9
1903	71.2	98	35	5.36	....	12	13	12	6
1904	70.6	99	34	4.68	....	13	12	11	8
1905	72.6	99	39	4.87	....	15	10	12	9
1906	71.3	95	38	4.31	....	10	12	13	6
1907	71.5	96	34	3.84	....	10	15	12	4
1908	73.9	104	39	4.81	....	11	14	12	5
1909	69.7	98	34	2.14	....	7	16	11	4
1910	72.8	99	41	2.42	....	7	16	11	4
1911	73.7	105	36	2.81	....	8	16	11	4
1912	71.3	100	36	5.29	....	11	12	11	8
1913	71.8	101	40	4.16	....	11	15	10	6
1914	71.3	101	38	4.19	....	12	12	11	8
1915	70.7	98	40	5.28	....	15	10	13	8
1916	74.3	98	37	4.45	....	10	14	10	7
1917	72.1	105	40	4.33	....	13	12	12	7
1918	70.1	99	35	3.05	....	9	16	10	5
1919	72.6	104	34	5.90	....	11	16	8	7
1920	69.5	96	33	4.37	....	11	15	10	6
1921	75.9	104	45	4.13	....	10	15	11	5
1922	71.9	98	38	3.68	....	9	14	10	7
1923	71.0	100	32	4.24	....	11	15	9	7
1924	69.7	97	34	3.42	....	9	17	10	4
1925	70.5	101	32	5.57	....	12	13	11	7
1926	71.8	105	35	3.82	....	10	15	9	7
1927	71.7	100	29	4.97	....	12	14	11	6
1928	72.8	96	40	5.44	....	13	16	9	6
1929	71.8	99	33	2.81	....	8	18	9	4
1930	73.0	106	33	2.23	....	7	19	8	4
1931	75.2	105	39	5.28	....	12	15	10	6
1932	72.0	100	36	3.39	....	10	16	10	5
1933	72.5	104	35	4.26	....	8	17	9	5
1934	75.5	107	40	4.01	....	9	17	10	4
1935	75.0	104	42	5.63	....	12	15	10	6
1936	73.5	111	37	2.88	....	8	18	9	4
Period	72.2	111	29	4.28	....	11	14	11	6

Climatological Data for July, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	75.8	+1.8	103	9†	51	31	34	1.14	−3.47	0.31	0	13	24	4	3	sw.	John A. Frick.
Altoona	Blair	1,615	49	71.5	+0.5	99	10†	45	31	37	4.01	+0.01	2.15	0	9	19	8	4	w.	John J. Martin.
Ardmore	Montgomery	350	16	75.1	+0.5	105	10	56	30	33	3.56	−0.91	1.19	0	12	9	13	9	......	H. L. Balderston.
Arendtsville	Adams	700	14	74.4	+0.1	102	9†	49	30	43	3.06	−0.90	0.91	0	9	23	5	3	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	73.6	......	104	10	45	31	45	4.59	....	1.49	0	5	22	2	7	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	77.6	+2.6	104	9	55	31	30	1.17	−3.39	0.28	0	9	21	3	7	w.	Lehigh University.
Carlisle	Cumberland	467	70	76.8	+1.7	104	9†	51	31	39	2.09	−1.74	0.72	0	10	22	3	6	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	74.3	+1.3	104	9	45	31	40	1.46	−2.22	0.54	0	7	25	4	2	......	W. L. Gearhart.
Center Hall	Center	1,272	40	73.2	+2.2	102	10	47	31	40	2.91	−1.26	1.25	0	6	22	8	1	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	76.6	+1.9	107	10	50	31	40	3.45	−0.55	0.91	0	8	11	15	5	ne.	William B. Spear.
Clearfield	Clearfield	1,120	29	72.6	+1.0	103	9†	41	31	47	2.36	−2.20	0.95	0	9	23	6	2	nw.	E. W. Hess.
Coatesville	Chester	380	49	74.6	−0.1	104	16	55	31	30	2.45	−2.11	0.98	0	11	16	4	11	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	71.4	−1.0	97	10	49	31	36	4.00	−0.28	2.08	0	9	22	7	2	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	70.2	+0.5	103	9	42	20	46	2.06	−2.35	1.18	0	7	25	4	2	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	77.4	+2.7	106	9†	52	31	39	2.12	−2.26	0.65	0	11	21	6	4	s.	Ira J. Keath
Freeland	Luzerne	1,970	43	71.9	+3.0	97	9†	49	1†	31	2.04	−2.87	1.13	0	10	6	16	9	w.	Andrew B. Evansha.
George School	Bucks	190	30	76.0	+1.9	106	9	55	31	33	1.56	−2.87	0.99	0	9	22	4	5	s.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	76.9	+2.2	104	10	57	2†	34	6.38	+2.02	1.67	0	11	19	5	7	ne.	Dr Henry Stewart
Gordon	Schuylkill	840	32	71.6	+1.2	101	9	42	31	41	1.18	−3.68	0.45	0	6	22	8	1	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	64.7	−0.4	90	10†	37	31	34	1.05	−3.40	0.45	0	5	23	7	1	w.	Ronald H. Marshall,
Hamburg	Berks	535	43	75.8	+2.3	104	10	51	31	37	2.90	−2.00	1.68	0	10	15	12	4	sw.	State Sanatorium.
Hanover	York	600	32	77.0	+1.2	105	10	56	31	31	4.34	+0.15	1.20	0	11	20	4	7	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	76.3	+1.5	103	9	58	27	33	5.02	+1.19	1.53	0	5	13	13	5	w.	U. S. Weather Bureau.
Hawley	Wayne	900	18	69.6	−0.8	100	9	39	31	42	0.86	−1.92	0.40	0	5	25	6	0	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	78.0	+0.9	101	10	62	30†	29	2.40	−1.37	0.75	0	9	15	10	6	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	49	72.6[a]	+0.2	103[a]	9†	43[a]	31	43[a]	3.09	−0.97	1.30	0	5	17	8	6	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	69.8	......	99	9	43	31	38	2.07	....	1.16	0	5	9	17	5	......	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	76.0	+2.0	104	10	50	27	43	4.55	+0.27	1.92	0	10	18	12	1	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	70.8	+0.4	107	9	40	31	51	1.10	−3.00	0.80	0	4	20	10	1	......	C. P. Darling.
Lebanon	Lebanon	469	52	76.0	+2.0	105	9†	51	31	38	3.70	−0.67	0.72	0	11	27	3	1	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	73.6	−0.1	105	9†	48	31	40	3.36	−0.64	0.91	0	9	11	19	1	sw	Joseph Beaver.
Marcus Hook	Delaware	50	10	79.8[a]	+1.1	108	9	61[b]	29†	30[b]	3.29	....	0.69	0	11	19	8	4	w.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	66.0	+0.3	92	9	40	1	34	1.90	−2.57	1.28	0	5	17	8	6	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	69.1	−0.7	101	9	41	31	42	2.23	−2.45	0.64	0	8	26	3	2	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	74.7	+0.9	105	9	51	26	38	2.07	−2.40	0.72	0	10	23	0	8	w.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	73.6	+0.2	101	9	47	31	34	1.43	−3.05	0.84	0	9	24	6	1	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	77.3	+1.1	104	10	62	30	29	2.60	−1.55	0.99	0	11	9	13	9	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	79.0	+3.4	111	9†	54	31	42	1.79	−3.17	0.61	0	10	19	8	4	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	73.2	+0.6	102	9†	41	31	39	1.68	−3.00	0.84	0	8	19	7	5	nw.	John E. Benner.
Reading	Berks	273	66	76.5	+1.0	102	10	58	31	28	1.73	−2.53	0.65	0	11	13	11	7	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	70.8	......	102	9	44	31	40	1.40	....	0.73	0	7	22	8	1	s.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	73.7	+2.0	102	9	48	31	35	0.73	−3.30	0.45	0	6	6	22	3	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	73.9	+0.5	102	9†	47	31	37	2.37	−1.67	1.45	0	7	12	17	2	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	77.4	+0.9	104	10	57	31	31	2.83	−1.46	1.20	0	10	14	10	7	w.	W. S. Guiles.
Shippensburg	Cumberland	660	3	......	......	104	9	56[j]	30†	35[i]	4.10	....	1.31	0	9	20	6	5	sw.	State Teachers College
State College	Center	1,217	52	72.5	+1.7	102	9	48	31	37	2.88	−0.98	1.05	0	8	24	6	1	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	74.1	+2.3	101	10	45	31	42	1.81	−3.50	0.90	0	5	26	2	3	w.	State Normal School.
Towanda	Bradford	754	42	71.5	+1.0	104	9	42	31	46	1.27	−2.53	0.71	0	6	15	15	1	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	68.6	−0.2	104	9	39	31	48	1.80	−1.40	0.63	0	7	28	3	0	w.	George W. Hill.
West Chester	Chester	455	87	75.6	+1.3	105	10	51	22†	38	2.46	−2.18	0.66	0	11	18	9	4	w.	Harlan Saylor.
Williamsport	Lycoming	521	50	74.0	+0.6	106	9	47	31	41	1.86	−1.98	0.66	0	7	18	10	3	nw.	Miss Veronica E. April.
Williamstown	Dauphin	1,275	21	74.8	+2.3	104	11	48	23	41	2.49	−2.93	0.55	0	9	19	9	3	sw.	Susquehanna Collieries Co.
York	York	400	48	75.6	+1.0	105	10	50	31	38	7.68	+3.46	2.03	0	11	20	9	2	sw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	46	67.7	−0.5	100	10	39	31	45	3.68	−0.48	1.35	0	8	21	5	5	......	Frank S. Fawcett.
Butler	Butler	1,077	23	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	William C. Faust.
Chambersville	Indiana	1,047	35	71.9	+0.3	104	14	42	31	44	2.51	−2.18	1.25	0	6	20	4	7	ne.	John E. Lewis.
Clairton	Allegheny	1,020	4	74.0	......	102	14	49	31	34	2.93	......	1.52	0	7	13	6	12	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	74.2	+0.8	103	14	43	31	44	5.07	+0.82	1.24	0	8	23	5	3	n.	J. L. Melvin.
Corry	Erie	1,430	23	73.2	+4.4	110	14	42	21†	42	2.06	−1.12	0.89	0	4	23	7	1	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	72.8	+0.1	101	14	47	31	39	4.30	−0.17	2.12	0	10	20	9	2	w.	Ted R. Wineman.
Donora	Washington	762	10	77.0	+0.7	104	9	53	31	37	4.27	+1.08	2.05	0	5	12	13	6	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	71.3	+2.9	98	14	50	25†	35	4.73	+0.57	1.84	0	7	22	7	2	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	68.6	+0.9	95	9†	42	31	39	4.50	−0.22	1.85	0	5	22	6	3	w.	J. S. Stevanus.
Franklin	Venango	957	62	72.6	+1.8	106	9†	43	21	46	3.65	−0.62	2.20	0	6	22	2	7	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	74.2	+1.6	103	14	48	31	43	3.03	−0.74	1.71	0	11	13	15	3	w.	Westmoreland Water Co
Greenville	Mercer	950	40	72.8	+1.5	104	9	44	21	45	4.86	+0.54	2.69	0	6	25	3	3	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	72.4	+1.9	102	9†	47	31	39	2.93	−1.63	1.00	0	7	24	4	3	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	74.0	+1.7	102	9†	45	31	41	3.58	−0.16	1.29	0	10	23	6	2	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	73.7	+0.4	104	9	45	6	43	3.39	−0.90	1.19	0	11	21	8	2	nw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	4	67.8	......	97	9	41	1†	37	1.47	....	1.15	0	5	14	15	2	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	44	73.2	+0.6	96	10	50	31	30	3.75	−0.91	1.18	0	8	10	19	2	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	72.8	+3.2	104	9	45	21	41	4.77	+0.80	3.00	0	4	19	8	4	w.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	74.0	......	102	10	48	31	43	2.63	....	1.65	0	6	21	4	6	nw.	Perry P. Campbell
New Castle	Lawrence	808	56	71.3	−1.2	101	15	44	21†	42	3.24	−0.42	1.43	0	9	20	11	0	sw.	New Castle Water Co
Newell	Fayette	800	16	74.2	+0.2	100	11	48	31	33	3.82	+0.32	1.58	0	5	28	2	1	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	75.0	+0.4	102	14	52	30	32	3.07	−0.98	1.45	0	7	7	15	9	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	68.3	+0.5	101	9†	39	20	48	2.87	−0.88	1.81	0	7	23	5	3	nw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	23	75.8	+2.9	108	9	47	31	40	2.29	−1.68	1.12	0	6	24	5	2	se.	Harry H. Gerber.
Somerset	Somerset	2,190	69	67.5	−1.2	99	10	38	31	47	4.57	−0.32	2.42	0	9	5	20	6	nw.	D. L. Grove.
Uniontown	Fayette	1,100	48	74.6	+1.2	102	10	47	31	38	5.44	+1.12	1.88	0	10	15	15	1	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	74.4	+0.8	106	14	47	31	42	2.85	−1.52	1.47	0	6	23	6	2	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	47	70.4	+0.6	98	10†	48	21†	32	1.68	−2.72	1.04	0	4	28	1	2	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	73.4	......	98	14	47	31	38	5.05	....	1.69	0	9	7	18	6	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	74.0	+3.0	98	9	54	2	24	0.91	−2.10	0.50	0	4	21	8	2	n.	U. S. Weather Bureau.
For the State	......	......	49	73.5	+1.3	111	9†	37	31	51	2.88	−1.40	3.00	0	8	18	9	4	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md: of Lycippus, Greensburg: of Neshaminy, Oakford: of Sharon, Farrell: of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-8-28 36-1050.

Daily Precipitation for July, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
tlantic Drainage.																																	
llentown‖	Lehigh	.31			T.	.06	.05				.01	.04	.07		.05					T.	.01	.20	T.		.15	.11			.03	.05			1.14
ltoona	Juniata	.31		.39	T.	.03																.20		.14	2.01			.86	.04	.03			4.01
nsonia‖‖	W. Br. Susq	.24		T.									1.45										.32		.47	.07		.18		.48			3.21
rdmore	Lower Del		.01	.06		.08					.49	.70	.20								.27				.77	.01		.14	.74	.09			8.56
reudtsville	Lower Susq	.35		.20	.69							.41											.16	.01	.91			.13	.20				3.06
aker's Summit	Juniata	.14										.13												.15	.89			1.71	.16	1.07			4.25
edford	Juniata	.78		T.		T.																T.		T.	1.49			1.15	.39	.78			4.59
ellefonte	W. Br. Susq			T.		.15						.69										T.	.04	.12	.72			.58		.01			2.31
ethlehem	Lehigh	.28		T.		.08					T.	.02	.09		.01						.28				.13	.22		.06		T.			1.17
loserville‡‡	Lower Susq			2.00	.20							.30						.20							.40			1.10		.12			4.32
uffalo Mills‖‖	Juniata	.40																					.03		2.22			1.70	.65		.22		5.22
arlisle	Lower Susq	.12		.35	.25						T.	.08	.04	T.								T.	.06	T.	.36			.72	.03	.08			2.09
atawissa‡	N. Br. Susq				.22						T.	.35			.02							.21		.22	.32			.12					1.46
enter Hall	Susquehanna	.18		1.25		.10						.12													.90			.36					2.91
hambersburg	Potomac	.29		.24	.40																				.74		.70			.78	.17	.13	3.45
learfield	W. Br. Susq	.02		T.	.03	.10						.23										.17		.36	.35			.85	.05				2.36
oatesville	Lower Del	.02		.18	.01	.08					.01				.19						.20				.98			.10	.28	.40			2.45
olebrook	Lower Susq	.19		2.08							.06	.23	T.		.03						T.		.23		.40			.61	T.	.17			4.00
onshohocken	Schuylkill																																
oylestown	Lower Del	.03		.01								.71	2.85		.18					.07	.01				.39			.06					4.31
mporium	W. Br. Susq			T.		.01							.01									.38		.19	.99			.33	T.	.15			2.06
phrata	Lower Susq	.06		.58								.02	.02		.11						.06		.01		.65			.42	.02	.17			2.12
orest City	N. Br. Susq														.14										.30				.07				0.51
reeland‖‖	Lehigh	.31			.03	T.					.03	1.13	.01			.02				.02			T.		.41		T.	.06	.02	T.			2.04
aleton	W. Br. Susq			T.								1.10	.01									.21			.77			.33	.35				2.77
eorge School	Lower Del	.05		.06		.02						.02	.30		.03						.03				.99			.06		T.			1.56
ettysburg	Potomac	.08		.21	1.49	.03						.40	.32								T.		1.67		1.26			.72	.19	.01			6.38
rardville‖‖	Lower Susq				.30						.02	T.							.01			T.		.50				.10					0.93
ordon	Lower Susq	.28		T.		.24						T.								.03		T.	.04		.45			.14					1.18
ouldsboro‖	Lehigh										.37		.11	.05	.07										.45								1.05
raterford	Schuylkill	.14		.03								.41	.98	.16							.04				.72			.33		T.			2.81
amburg	Schuylkill	.01		.15		.17					.07	.10	.37		.19					.03					1.68			.13		T.			2.90
anover	Lower Susq	.04	T.	.05	.56	.15						.09	.05		.19								.89		1.20			.95	.17	T.			4.34
arrisburg***	Lower Susq			1.53	T.						T.	.96	.15		T.						T.	1.50	T.	T.	.23			.65		T.			5.02
awley‖‖	Upper Del				.13						T.		.06												.40	.14	.13						0.86
ollisterville	Upper Del			T.		T.						T.							T.	T.					.48	.17					T.		0.65
oltwood‖	Lower Susq			.12	.12	.16						.37	T.		T.	T.						.11			.75	.24		.40	.13	T.			2.40
untingdon	Juniata			*		.22						T.	.16									.27			1.30			1.14					3.09
yndman	Potomac																																
ylertown***	W. B. Susq				.16	T.						T.			T.							.13		.33	.83			.62					2.07
akeville‖‖	Upper Del			.04	.10								.06												.36	T.	.38						0.94
ncaster	Lower Susq	.13		1.92	T.	.07						.11	T.		.04	.13					T.				1.05			.50	.11	.49			4.55
nsford‖‖	Lehigh	.45				*	.47					.11				.01				.06					.94		*	.17	.04				2.25
wrenceville	N. Br. Susq			.10									.10										T.		.80			.10					1.10
banon	Lower Susq		.70	.70	.72	.01					.12		T.	T.	T.							.06		.20		.01	.46	.35		.37			3.70
highton‖‖	Lehigh	.49											.17	1.04						1.03	T.							.26	T.				2.99
ck Haven	W. Br. Susq	.35		.01		.13						.17	.84										.91		.61			.22		.12			3.36
arcus Hook	Lower Del			.07			.35					.20	.52	.15							.45				.64	.05		.64	.19	.03			3.29
atamoras‖‖	Upper Del														.10										.97	.24							1.31
auch Chunk	Lehigh																																
ontrose	Susquehanna																		.33				.02		.02					.14			0.51
orris Run	N. Br. Susq			1.22								.85			.06							.20		.05	.45			.11	.03	.16			3.13
ount Pocono	Upper Del										.08			.50	.06										1.28			.06					1.90
uncy Valley	W. Br. Susq			.64	T.						T.	.06			.46							.05	.08		.47			.10		.37			2.23
eshaminy‖‖	Lower Del	.02		.03							.72	.04	.32	T.	T				.02		.22				.38	.05		T.		.27			2.07
ew Park	Lower Susq	.03		.28	.10	.55					.57										.36				.82			.86					3.57
wport‖‖	Juniata	.10		.20		.25						.30	.63	.02									.39		.33			.65	.25				3.12
lmerton‡	Lehigh			.03		.20				T.	.04	.15		.02					T.					.30	.54	.10		.05					1.43
upack‖‖	Upper Del					.04							.05												.35	.27		.21					0.92
iladelphia***	Lower Del	T.		.02		.09					.01	.21	.02							T.	.22				.63	.04		.07	.30	.99			2.60
ila. Navy Yard‖‖	...do	.01			.03	.14						.10	.30								T	.70			.35	.39	T.	.03	.60		.42		3.07
ila-P'nt Breeze.‡	Lower Del					.03					T.	.23	T.								.40				.62	.01		.06	.33	.96			2.64
oenixville	Schuylkill	T.		.08		T.						.16	.12	.04	.03						.28				.61		.03	.17	.27	T.			1.79
ne Grove	Lower Susq			.15	.05	.15						T.										.06		.16	.60			.54					1.71
easant Mt.‖‖	Upper Del											.09													.24					.04			0.37
ttstown	Schuylkill																																
ttsville	Schuylkill	.50		.31		.19						.08			.09					.07			.10		.62			.12					2.08
akertown	Lower Del	.07		T.		.07						.06	.84		.20					.02					.36			.06					1.68
ading***	Schuylkill			.39	.01	.01					.03	T.	.10	.03							T.	T.		.07	.30			.19	.46	.14			1.73
novo.‖‖	W. Br. Susq																																
treat	N. Br. Susq			.08							.05	.25			.20							T.			.73			.06		.03			1.40
ranton***	...do			.06							.03	T.							T.			T.		.22	.23	.18		T.		.01			0.73
linsgrove	Lower Susq	.30				.20					.04	.06											1.45	.02				.30					2.37
awmont	Schuylkill	.03		.02		.07						.08	1.20								.30				.40			.12	.49	.12			2.83
ippensburg	Lower Susq	.48		.48	.18							.13	T.			T.							.48		.55			1.31	.18	.31			4.10
ate College	W. Br. Susq	T.		T.		.16						.50	T.									.01		.17	1.05			.73	.24	.02			2.88
roudsburg‖‖	Upper Del									.01	.90								.24						.61			.05					1.81
nbury‖‖	Lower Susq	.23				.35	T.						.06										1.02		.57	T.		.83	.13				3.19
squehanna‖‖	N. Br. Susq			.02	.21																.27				.29		.02	T.		.04			0.85
wanda	...do			.71							T.	.07							.01			T.			.24	T.		.02		.22			1.27
eikert	Lower Susq					.28						.32		.10									.82		.51			.35					2.38
ellsboro	W. Br. Susq			T.					T.		T.	.63							.04			.15		.04	.42			.06		.46			1.80
est Chester	Lower Del	.01		.08		.07					.55		.08		.07	T.					.45				.66			.21	.06	.22			2.46
estgrove‖‖	...do		.16			.54						.32			.02	T.						.72			.37	.80		T.	.36		.40		3.69
lkes-Barre‖‖	N. Br. Susq	.14		.07								T.								T.					.59	.02		.02	.05	.02	T.		0.91
lliamsport‖‖	W. Br. Susq	.36			T.								.13										.43		.66			.18	.01	.09			1.86
lliamstown	Susquehanna	.16		.26		.32						.04	T.									.20	.43		.55			.42	.11	T.			2.49
rk	Lower Susq	.18		2.03	.60							1.82	.12		.03						.55		.89		.66			.67	.13				7.68
rk Haven‖‖	Lower Susq	.16		1.25	.90							.08	.03			.52					.21		.59		.84	.03		.45	.03		.68		5.77
nsville..(near).	Schuylkill	.05		.15									.45		.10					.02					.22			.02		.40			1.41
enton. N. J***	Lower Del	.01		.01		.01					T.	T.	.16	T.	T.				.19	T.	.01			T.	.79			.02		.55			1.75

Continued on page 34.

Daily Precipitation for July, 1936—Continued from page 33

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖	Beaver	.03		.18		.13							.11	T.											1.75			.21	.16	T.			2.57
Bradford	Allegheny											.03												.25	.82			.40		.43			1.93
Brookville‖	do	T.		.03	.07	.07					.16		.37											1.58				1.35	.05				3.68
Butler	Ohio																																
Chambersville	Allegheny											.08	.01											.31	.76			1.25	.10				2.51
Clairton‡	Monongahela	.02			.18	.04																		.20	.96			1.52		.01			2.93
Claysville	Ohio	1.12			.34	.89						.10												.17	.68			.53	1.24				5.07
Confluence‖	Youghiogheny	.30	.06			.90						.13				.15									1.02	.15		1.35	1.62		.15		5.83
Corry	Allegheny																							.62	.89			.52		.03			2.06
Derry	Conemaugh	.05		.03	.03						.57	.36												.81	1.31			.76	.29	.09			4.30
Donora‖	Monongahela	.52	T.			.24						T.													2.05			.62	.84	T.			4.27
Ebensburg	Conemaugh	.35		.54							.70													T.	1.84			1.06	.12	.12			4.73
Elk Lick	Youghiogheny					.35																		.50	.35			1.85	1.45				4.50
Franklin‖	Allegheny	.08		.46		.31																			2.20			.55	.05				3.65
Greensboro‖	Monongahela	.28	T.	.35		.48										.85									2.24	.12		.15	1.76		.01		6.24
Greensburg	Youghiogheny	.05		.05	.06	.18					.22	.18												.79	.92			.24	.27	.07			3.03
Greenville	Beaver	T.		1.03	.02	.16																		.95				2.69	.01				4.86
Grove City	do			1.00	.05						.08													.75	.50			.49	.06				2.93
Herrs Isl. Dam‖	Ohio	T.				.21							.02	T.											1.51			.03	.20	T.			1.97
Irwin	Monongahela	.08			.10	.02					.65	.11												.31	.98			1.02	.27	.04			3.58
Johnstown	Conemaugh	.10		.05	.01						.05		.24									.10		.22	1.10			1.19	.12	.21			3.39
Kane (near) ‡‡	Allegheny	.01																				.12		.09	1.06			T.		.19			1.47
Kregar‖	Youghiogheny			.10	.16	T.					.30	T.												1.90	.02		.44	.51		.36			3.79
Lake Lynn‖	Monongahela	.22	.17		.52	.66						.01													.84	.28	.08	.29	1.46				4.53
Linesville‖	Beaver	.14		.11		.04																		1.90				1.16					3.35
Lock No. 2‖	Ohio			T.		.22						.03	.03												1.86				.30	.10			2.54
Lock No. 4‖	Monongahela	.60				.43	T.						T.												1.75			1.22	1.34				5.34
Lock No. 5‡‡‖	Allegheny	.03		T.		.01							.53												1.17			.14	.20	T.			2.08
Lycippus	Conemaugh	.25			T.						.53	.31												.62	1.18			.34	.34	.18			3.75
McKeesport‖	Monongahela	T.				.19																			1.48			.55	.31				2.53
Meadville	Allegheny			.11																				1.25	1.75			1.66					4.77
Midland	Ohio			.05		.38						T.	.07												1.65			.06	.42				2.63
Mosgrove‖	Allegheny	.02		T.								.60	.20												1.07			1.08	.18				3.15
Mount Lebanon	Ohio				.34	.07					T.	.02	T.						T.					.49	1.11			.55	.04				2.62
Natrona‖	Allegheny	.13		T.	T.	.02						.11	.18												1.32			.11	.26	.01			2.14
New Castle‖	Beaver	.01		1.34		.06	T.				T.	.08	.01												1.43	.01		.02	.28	T.		T.	3.24
Newell	Monongahela	.30				.30																			1.19			.45	1.58				3.82
Parkers Landing‖	Allegheny	T.		.58		.33						.18	.03												2.28			1.68	.14				5.22
Pennline‖‡‡	Beaver	.03		.04																					1.83			1.05	.11				3.06
Pittsburgh***	Ohio	.02		T.	.25	T.					T.	.03							T.					.44	.88		.04	1.41	T.	T.			3.07
Punxsutawney‖	Allegheny	.06			.03	.15						.07	T.												1.09			1.04	.42				2.86
Ridgway	do	.23		.11		.08																			1.81			.37	.06	.21			2.87
Saltsburg‖ :	Conemaugh																																
Sharon‖	Beaver			.91		.03							.05												1.12			.04	.14				2.29
Smethport‖	Allegheny	.44											.10												1.04			.35					1.93
Somerset	Youghiogheny	.35				.10						.05											.06	.62	1.80			.78	.40	.41			4.57
Springdale‖‡‡	Allegheny	.01				.06							.26												1.21			.25	.22	.02			2.03
Uniontown	Monongahela	.28			.13	.74						.06			.10									.86	1.02			.88	1.30	.07			5.44
Unity Reservoir‡‡	Youghiogheny	.08		.03	.05	.17					.23	.14												.55	.97			.22	.29	.11			2.84
Vandergrift‡	Conemaugh					.02					.75													.46	1.01			.59	.02				2.85
Warren	Allegheny																							.30	.74			.34		.30			1.68
Waynesburg	Monongahela	.31		.35	.24	1.13																		.90	.41			.61	1.08	.02			5.05
Westford‖	Beaver		.78		.12																		1.85				2.05	.12					4.92
West Newton‖	Youghiogheny	.25				.30						.10	.02												1.84			.85	.70		.11		3.67
Lake Drainage.																																	
Erie***	Lake Erie		.01															T.						.30	.10			.50					0.91

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.93	30.36	31	29.67	24	9.3	24	sw.	23	62	51	56	84
Harrisburg	29.89	30.32	31	29.59	14	6.4	34	ne.	14	72	48	53	73
Philadelphia	29.90	30.34	31	29.62	14	10.8	40	nw.	29	69	50	63	60
Pittsburgh	29.93	30.36	31	29.67	27	8.7	34	nw.	23	67	41	47	84
Reading	29.89	30.32	31	29.56	14	8.6	40	nw.	10	68	47	53	69
Scranton	29.90	30.34	31	29.56	14	6.0	21	nw.	29	68	40	46	77

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	1.9	2.3	9	1.2	19	18
Phillipsburg	Delaware	1.1	1.8	1	0.4	22	22
Lehighton	Lehigh	2.6	3.3	19	2.1	31	7
Wilkes-Barre	Susquehanna	1.6	2.1	1	1.3	31	20
Williamsport	Susquehanna	0.4	1.1	3	0.0	21	20
Harrisburg	Susquehanna	3.2	3.5	5	3.0	21	18
Greensboro	Monongahela	11.8	23.5	6	10.0	1	30
West Newton	Youghiogheny	0.4	4.2	28	0.0	23	20
Lock No. 4	Monongahela	11.9	21.1	6	10.5	1	30
Pittsburgh	Ohio		14.7*	6	9.5*	23	25
Midland	Ohio		12.2*	7	9.0*	18	30

* —Pool stage.

Daily Temperatures for July, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	72	81	79	78	79	80	85	93	98	99	92	93	86	99	91	88	90	91	86	83	80	84	90	79	81	88	80	85	79	72	74	85.0
	Minimum	57	55	60	55	59	50	53	57	71	69	70	69	60	69	63	51	53	58	56	55	56	52	56	59	49	53	57	66	67	48	45	58.0
Bedford	Maximum	75	84	86	82	83	84	89	98	103	104	98	97	93	102	95	93	93	94	90	88	87	89	94	81	80	91	89	87	87	75	79	89.4
	Minimum	60	58	62	56	57	54	51	53	60	65	61	66	62	66	68	53	53	58	56	55	54	58	54	62	50	53	61	65	66	51	45	57.8
Bethlehem	Maximum	83	87	86	86	86	87	87	93	104	103	103	97	86	96	95	89	90	92	92	84	79	86	92	90	86	88	89	93	90	87	83	90.0
	Minimum	57	59	64	64	64	60	61	66	77	81	73	71	70	70	68	62	62	68	65	64	64	69	65	66	62	59	61	63	70	58	55	65.1
Brookville	Maximum	65	79	82	82	78	82	83	87	95	100	99	94	96	92	99	88	87	89	91	83	80	84	87	91	80	83	89	77	86	73	78	85.8
	Minimum	51	45	60	53	60	43	46	48	59	57	60	67	57	60	54	44	43	50	49	40	41	46	47	48	43	44	50	56	42	37	39	49.6
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Carlisle	Maximum	79	86	84	85	82	84	87	96	104	103	102	96	90	104	102	92	94	95	91	88	85	84	93	88	86	95	92	89	86	81	80	90.4
	Minimum	60	57	66	67	66	57	65	58	72	74	71	69	72	70	70	56	57	63	63	65	62	60	61	65	59	56	59	68	68	53	51	63.3
Catawissa	Maximum	79	86	83	82	85	87	89	96	104	102	100	96	93	101	91	88	91	94	88	89	86	84	92	85	83	91	81	91	86	79	85	89.3
	Minimum	55	54	69	56	63	52	53	56	68	65	72	66	68	69	60	50	54	60	58	54	55	56	66	65	52	65	54	62	66	51	45	59.3
Chambersburg	Maximum	70	88	86	87	84	86	90	99	106	107	103	98	92	106	100	90	94	97	90	89	85	85	92	87	85	95	89	89	86	79	80	90.8
	Minimum	59	55	66	61	65	55	55	59	68	71	70	71	70	69	72	59	58	63	63	64	63	60	61	64	57	57	59	65	71	53	50	62.4
Chambersville	Maximum	79	80	83	81	83	86	89	95	103	101	94	99	93	104	92	90	92	95	88	85	85	89	94	84	85	92	85	86	81	76	77	88.6
	Minimum	54	54	53	55	53	47	51	52	81	62	61	66	60	63	62	48	50	53	52	49	50	54	55	60	46	48	53	65	65	46	42	55.2
Claysville	Maximum	80	81	85	83	85	86	91	97	102	100	98	102	98	103	102	95	94	93	88	85	87	90	89	83	86	93	95	87	86	77	79	90.3
	Minimum	60	55	64	59	63	54	52	55	61	66	68	67	67	65	71	56	50	62	55	47	45	47	63	65	51	54	66	65	67	46	43	58.4
Clearfield	Maximum	78	84	82	78	81	94	91	95	103	103	96	93	94	103	94	91	90	94	88	84	82	86	91	83	82	91	82	88	87	85	78	88.7
	Minimum	62	60	74	61	60	47	55	57	63	60	64	64	58	66	57	52	57	48	46	45	51	48	49	59	47	48	62	62	64	65	41	56.5
Coatesville	Maximum	80	85	81	83	82	82	86	94	103	104	99	96	86	96	88	85	86	85	86	75	82	84	86	84	83	83	78	83	84	78	80	86.0
	Minimum	60	58	65	64	66	59	58	64	73	74	74	72	69	68	69	58	59	64	66	63	62	58	62	57	59	57	60	66	67	56	55	63.3
Corry	Maximum	77	75	79	80	85	87	90	99	103	101	98	95	94	110	98	95	92	90	88	88	84	89	84	78	86	82	81	79	76	72	80	87.6
	Minimum	48	43	48	56	59	57	57	60	80	64	80	79	77	85	81	76	60	57	53	47	42	49	62	58	57	55	44	48	55	46	42	58.7
Emporium	Maximum	80	85	83	81	84	85	87	98	103	100	98	91	92	102	91	90	90	90	85	83	78	86	90	82	81	88	80	90	78	73	79	87.2
	Minimum	51	49	63	51	61	47	47	52	65	60	63	64	55	62	52	44	48	52	50	42	44	51	52	61	49	49	51	61	62	46	44	53.2
Erie*	Maximum	73	78	76	75	77	83	85	94	98	98	95	94	95	92	81	82	83	85	78	72	76	82	82	74	79	82	81	86	72	72	76	82.5
	Minimum	54	54	63	59	63	63	62	72	81	82	80	78	75	77	69	66	64	67	67	61	58	60	65	64	59	61	59	65	62	61	58	65.5
Franklin‡	Maximum	85	85	88	80	83	88	94	100	106	104	104	102	100	106	91	91	95	97	86	85	89	93	90	81	84	90	80	91	78	77	83	90.5
	Minimum	49	49	62	57	60	50	49	55	64	63	66	67	63	65	56	50	50	51	52	45	43	47	59	58	48	50	55	57	63	48	47	54.8
Freeland	Maximum	75	80	75	77	80	82	83	91	97	97	93	93	83	93	84	83	87	87	88	80	77	79	84	78	75	83	81	85	81	75	78	83.4
	Minimum	49	56	63	62	62	56	59	65	74	67	68	62	66	68	61	57	58	64	59	67	59	54	62	61	56	52	56	63	67	49	51	60.4
Gettysburg	Maximum	70	87	83	86	84	84	87	95	102	104	100	94	90	100	93	90	90	94	90	86	82	82	89	85	84	93	91	87	88	81	79	88.7
	Minimum	62	57	68	61	65	60	57	63	69	75	72	70	71	69	74	63	60	64	68	64	64	70	71	65	58	59	63	66	73	60	58	65.1
Greensburg	Maximum	75	87	86	84	86	84	87	100	100	99	88	96	92	103	96	90	92	92	90	83	85	87	88	82	87	93	90	85	82	74	76	88.4
	Minimum	60	59	65	59	63	56	55	58	64	71	67	68	68	68	69	56	56	63	60	54	53	54	63	62	53	50	59	55	70	52	48	59.9
Grove City	Maximum	80	80	80	78	84	85	90	96	102	100	95	102	97	101	96	89	88	90	84	79	84	85	88	77	81	88	76	85	79	71	78	86.7
	Minimum	50	52	60	60	59	50	56	66	63	63	68	69	70	72	63	57	54	58	59	53	49	50	61	60	51	52	54	64	64	49	47	58.2
Hamburg	Maximum	80	87	81	86	83	82	87	95	103	104	102	96	88	98	88	89	90	92	90	83	84	86	93	86	84	90	83	92	88	81	81	88.8
	Minimum	58	55	66	61	64	59	58	61	74	75	73	71	68	71	63	52	62	64	64	66	63	56	62	65	59	57	58	66	67	58	51	62.8
Harrisburg*	Maximum	78	86	78	85	81	82	87	94	103	103	100	93	83	101	90	86	88	91	88	81	81	80	88	84	83	92	79	88	84	78	79	86.9
	Minimum	62	60	66	64	68	65	61	65	75	76	67	71	72	71	71	63	64	67	70	67	61	63	66	66	61	62	58	70	68	59	59	65.7
Hawley	Maximum	79	82	78	80	81	80	83	94	100	99	98	94	88	97	86	86	85	88	84	84	78	85	89	82	80	86	80	92	85	77	81	85.8
	Minimum	44	44	57	52	54	48	49	53	63	62	62	61	63	68	50	46	47	56	55	50	53	50	56	62	47	46	47	56	61	50	39	53.3
Holtwood	Maximum	77	88	82	82	85	83	86	95	100	101	99	91	85	96	88	84	88	92	88	80	82	86	89	83	85	92	84	90	84	77	81	87.2
	Minimum	64	64	72	68	69	63	64	68	74	77	75	75	75	75	70	68	68	70	70	70	68	75	68	70	65	63	64	69	72	62	62	68.9
Huntingdon	Maximum	76	86	82	82	84	85	88	97	103	102	100	95	87	103	94	88	92	94	90	90	84	89	94	85	85	82	76	....	88	77	78	88.5[a]
	Minimum	58	55	60	57	63	54	52	54	64	64	64	65	62	67	65	49	52	52	55	54	54	58	53	53	51	52	56	....	65	50	43	56.7[a]
Johnstown	Maximum	78	85	83	83	86	87	91	98	104	102	96	100	93	102	95	92	92	94	90	87	84	89	92	83	85	92	90	88	82	73	79	89.5
	Minimum	68	58	61	48	53	45	53	55	62	66	63	68	65	65	69	55	54	58	58	56	54	54	53	62	52	53	60	65	65	52	46	57.9
Lancaster	Maximum	80	88	85	87	87	88	89	96	103	104	101	96	96	98	95	93	92	94	92	89	82	85	90	87	85	92	93	92	89	85	82	90.8
	Minimum	60	57	66	60	65	55	57	58	67	67	69	67	70	69	69	55	57	62	63	64	62	59	61	64	57	54	50	65	65	53	51	61.2
Lawrenceville	Maximum	86	87	84	85	85	87	93	103	107	102	101	94	94	100	90	91	91	88	87	84	85	83	85	84	84	90	85	95	90	75	83	89.6
	Minimum	43	44	62	41	55	47	45	52	63	62	62	64	56	66	53	45	47	54	52	44	44	51	60	60	48	42	51	55	59	44	40	52.0
Lebanon‡	Maximum	80	85	80	86	85	84	88	95	105	105	102	96	86	100	92	88	91	94	90	82	83	83	92	85	85	93	78	91	87	78	80	88.7
	Minimum	60	57	65	62	66	57	58	61	77	71	72	68	71	70	71	57	60	67	67	67	63	61	66	64	56	55	59	59	68	54	51	63.2
Marcus Hook*	Maximum	85	85	92	87	85	89	92	106	108	104	98	88	93	94	91	91	93	95	87	79	83	91	90	85	90	91	92	91	82	80	88	90.5
	Minimum	66	66	69	67	64	64	71	76	80	75	73	71	71	76	68	....	....	85	68	69	64	68	69	65	64	65	70	75	61	63	61	69.1[b]
Meadville	Maximum	78	83	82	79	83	87	90	99	104	102	99	100	101	101	99	89	90	93	87	83	84	87	88	75	81	85	83	88	87	71	79	88.3
	Minimum	47	46	64	55	62	52	51	59	69	68	71	68	66	72	58	54	53	56	56	52	45	49	64	60	50	53	56	60	62	49	49	57.3
Montrose	Maximum	75	80	78	78	78	79	83	95	100	97	96	92	86	95	81	82	84	85	80	79	79	82	88	79	78	84	81	89	82	73	79	83.8
	Minimum	51	58	54	55	53	54	55	62	70	69	69	66	64	68	57	53	55	60	56	53	53	55	60	61	51	48	56	58	59	51	47	57.5
Mount Pocono	Maximum	71	72	74	74	74	76	80	86	92	88	88	88	78	90	78	78	80	78	78	74	72	78	80	76	76	78	76	80	80	72	74	78.7
	Minimum	40	48	54	54	50	48	52	54	64	62	62	62	62	64	48	48	52	60	60	54	52	48	52	58	48	44	48	56	60	46	44	53.4
Philadelphia*	Maximum	76	83	78	86	83	83	87	91	103	104	98	97	84	90	92	88	90	91	86	74	79	82	89	77	82	86	77	90	88	77	79	86.1
	Minimum	64	66	65	67	67	66	65	70	74	81	74	71	70	70	78	72	72	72	69	66	67	65	66	68	66	66	64	69	67	62	64	68.5
Pittsburgh*	Maximum	76	81	82	75	82	84	88	95	101	101	94	98	93	102	91	88	90	91	84	80	83	85	88	80	84	90	90	84	77	73	76	86.6
	Minimum	59	59	65	64	62	62	62	63	69	74	71	74	72	72	71	66	63	68	63	58	56	56	62	60	58	64	60	65	59	52	54	63.3
Quakertown	Maximum	78	85	82	85	81	87	89	92	102	102	101	92	86	91	88	86	87	88	86	81	77	83	90	86	82	87	85	92	91	82	80	87.2
	Minimum	58	49	51	58	65	55	56	60	69	68	71	69	68	69	62	57	55	62	62	60	58	53	61	65	53	51	54	61	62	54	41	59.3
Reading*	Maximum	78	84	77	83	83	83	86	93	101	102	98	95	87	95	89	85	89	89	88	76	80	83	88	82	81	89	75	88	85	76	80	86.1
	Minimum	60	62	66	65	66	62	64	68	78	76	76	73	72	72	71	64	65	69	73	68	65	63	69	67	65	61	61	69	68	59	58	66.9
Ridgway‡	Maximum	78	82	81	77	81	84	87	94	101	99	99	95	93	101	89	87	91	89	84	80	82	86	88	79	79	87	78	86	77	73	77	85.9
	Minimum	47	47	63	48	58	43	45	49	60	59	60	61	55	60	50	43	43	50	48	39	42	48	53	60	44	46	49	58	58	45	40	50.7
Scranton*	Maximum	78	84	81	81	81	81	86	96	103	101	99	96	89	100	86	85	86	88	83	83	80	84	90	82	80	87	71	90	84	74	79	86.1
	Minimum	51	53	66	60	62	59	55	61	70	70	71	70	69	72	61	57	57	66	61	60	62	60	66	66	56	54	56	63	61	56	48	61.3
Selinsgrove	Maximum	77	84	81	82	81	83	86	94	102	102	92	95	91	101	97	89	89	90	89	90	85	80	89	85	81	90	89	88	86	80	80	88.0
	Minimum	55	55	66	59	64	53	53	57	69	67	70	66	69	71	67	52	56	55	56	57	56	59	62	63	55	53	58	63	65	55	47	59.8
Somerset	Maximum	73	79	79	75	80	80	85	91	98	99	89	94	89	95	84	86	87	90	82	81	80	82	85	77	79	84	87	80	77	69	73	83.5
	Minimum	58	52	53	50	58	46	43	46	51	59	59	62	53	58	63	45	43	53	47	47	47	45	44	58	41	47	60	63	64	43	38	51.5
State College	Maximum	75	81	80	78	80	81	85	94	102	99	95	91	87	100	90	89	90	92	86	84	84	85	90	80	86	88	79	85	80	73	76	86.0
	Minimum	54	55	64	59	60	52	53	57	68	71	70	64	62	70	63	53	54	58	57	55	54	54	60	62	55	57	56	67	66	52	48	59.0
Stroudsburg‡	Maximum	81	84	86	79	81	87	94	97	99	101	98	98	89	93	88	87	98	99	82	79	84	79	89	88	88	83	76	91	87	79	87	88.1
	Minimum	51	52	61	58	59	54	56	67	70	64	67	70	67	74	62	60	64	68	55	51	60	55	59	66	61	53	58	59	63	55	45	60.1
Towanda	Maximum	78	84	82	82	81	81	86	100	104	102	100	94	91	100	87	87	90	89	84	85	83	85	91	83	83	89	83	94	83	77	82	87.7
	Minimum	46	47	61	53	58	51	52	54	67	63	65	64	60	70	58	48	48	57	54	52	48	52	64	61	51	49	50	57	62	51	42	55.3
Uniontown	Maximum	73	83	85	81	84	85	89	93	100	102	91	99	95	101	94	93	92	91	86	86	85	88	90	82	85	91	94	83	80	73	77	88.1
	Minimum	62	56	64	63	64	59	55	57	62	68	71	70	67	67	71	58	55	64	53	52	54	52	60	62	54	62	71	66	70	50	47	61.1
Vandergrift*	Maximum	80	86	84	80	86	84	86	90	99	104	102	94	100	95	106	94	92	94	92	89	85	89	85	87	87	94	87	91	81	78	80	90.3
	Minimum	60	59	64	63	60	51	54	58	64	62	66	70	66	65	61	55	53	60	57	52	52	53	63	58	52	52	59	66	58	51	47	58.4
Warren	Maximum	69	74	76	79	78	79	80	90	94	98	96	79	93	98	90	82	86	86	83	78	78	75	84	75	80	80	80	80	70	70	72	82.4
	Minimum	52	52	67	55	70	50	50	58	68	68	72	69	66	70	59	56	55	60	51	48	55	52	66	65	54	54	56	62	54	56	48	58.3
Waynesburg	Maximum	75	76	79	79	78	85	85	90	94	94	90	91	91	98	94	91	92	89	85	81	86	86	82	86	90	90	96	85	69	76	79	86.3
	Minimum	62	58	64	62	63	55	54	56	61	68	72	70	68	66	72	59	54	65	57	51	52	50	62	64	53	61	67	65	65	49	47	60.5
Wellsboro	Maximum	82	84	83	81	81	83	92	98	104	100	95	101	90	98	86	87	87	87	82	80	79	81	86	79	80	86	84	84	78	77	77	85.8
	Minimum	45	45	62	47	56	45	44	51	74	60	62	60	55	63	52	45	46	52	48	42	42	51	56	48	45	45	49	57	57	43	39	51.5
Williamsport	Maximum	79	82	83	82	84	84	87	97	106	104	101	102	95	102	92	92	93	89	88	84	88	86	84	86	92	92	77	93	86	78	81	88.9
	Minimum	54	54	63	57	64	55	54	56	73	69	68	67	65	68	62	54	55	61	57	57	52	57	60	64	54	53	55	60	65	61	47	59.1
Williamstown	Maximum	78	84	83	82	85	83	85	92	99	101	104	102	98	99	99	87	88	90	94	93	84	85	89	86	80	87	85	87	86	79	79	88.8
	Minimum	54	56	62	62	60	55	58	63	75	77	70	70	71	68	67	58	60	60	60	54	59	53	48	60	56	56	54	65	68	75	52	60.7
York	Maximum	75	88	85	83	85	84	88	97	104	105	101	93	89	98	94	89	90	92	87	85	81	83	91	85	95	95	91	90	86	82	79	89.0
	Minimum	62	55	66	60	66	55	60	62	67	68	68	68	71	69	70	57	57	62	64	63	62	59	62	65	54	57	59	66	68	53	50	62.1

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* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

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CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLI. AUGUST, 1936. NO. 8.

GENERAL SUMMARY.

This was the warmest August of the last eight years, with umid conditions much of the time, and left the general imression of having been an uncomfortable and disagreeable nonth. The warmest period covered the 20th to 25th incluive. Highest temperatures were recorded in the southwestern ortion of the State. The month began and ended with modrately cool periods. The rainfall averaged about three-fourths f an inch above the August normal, and with a very uneven istribution. The range in the monthly amounts was unusually rge with 9.48 inches at Ebensburg and only 1.28 inches at rie. In a general way these heavy local rains broke the sumer drought, yet they left many small regions still suffering sevrely from want of moisture. The summer drought continued uite generally during the first half of the month, with only a w heavy local showers. Moderate rains were numerous on the th and 6th, and served to check the progress of the drought to me extent, but did not bring lasting relief. The next period f good and fairly general rains centered on the 15th and 6th. They were heavy enough to again check the progress f the drought, and to start the revival of the crops in fully ne-half of the State. With a short interval, the showers beame more numerous and more general, beginning about the 0th, and continuing almost daily to the 29th inclusive. These ains broke the drought effectually in more than three-fourths f the State, and vegetation revived in a surprising manner for late in the season. Many of the thundershowers during this eriod were severe in character, and considerable damage by inds and lightning occurred. The press reported that four ersons were killed by lightning in Pennsylvania. The benefits crops largely overtopped the damage, and the whole outlook as greatly improved. Early corn developed heavier and better rs, while late fields that were just beginning the earing process ere revived and put in a vigorous growing condition. As a esult the corn was generally conceded to be nearing an average rop at the close of the month. The rains improved the pasures to a great extent, but came too late to help the late cutting hay, and especially the timothy and clover. Truck crops ere generally improved, and sweet corn became plentiful and ery fine. The tomato crop was also generally improved, and ecame one of the heaviest ever grown in the State. Cabbages nd celery were stunted by the drought to such an extent as to beyond recovery. The soil was put in good condition for lowing and for preparation for fall seeding. The rains did ot materially affect orchard fruits, although there were some sses, locally, from thunderstorm winds.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports from 90 stations, was 73.2°, which is 3.1° above the 49-year normal for August. The highest monthly mean was 78.8°, at Marcus Hook, and the lowest was 63.4° at Gouldsboro. Extremes of temperature ranged from a maximum of 102° at Claysville on the 21st and at Newell on the 22d, to a minimum of 37° at Somerset on the 1st, at Gouldsboro on the 17th, and at Corry on the 18th. The greatest daily range in temperature was 50° at Lawrenceville on the 1st.

PRECIPITATION.

The average precipitation for the State, as shown by the reports from 143 stations, was 4.96 inches, which is 0.73 inch greater than the 49-year average for August. The greatest monthly amount was 9.48 inches at Ebensburg, while the least was 1.28 inches at Erie. The greatest amount recorded in any 24 consecutive hours was 4.69 inches at Palmerton on the 23d.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.8	100	33	7.05	....	10	13	10	8
1889	67.4	100	37	3.24	....	8	15	10	6
1890	68.8	98	34	5.76	....	12	9	14	8
1891	69.6	99	35	5.09	....	12	8	12	11
1892	71.4	99	42	3.77	....	9	14	7	10
1893	70.4	99	30	4.50	....	8	14	10	7
1894	69.4	98	32	1.84	....	6	13	12	6
1895	72.3	101	32	3.23	....	9	15	11	5
1896	71.2	101	35	2.22	....	8	14	11	6
1897	67.9	97	34	3.17	....	9	14	11	6
1898	72.3	99	37	6.60	....	12	11	11	9
1899	71.2	101	38	4.01	....	7	14	10	7
1900	75.0	103	38	3.33	....	9	14	12	5
1901	72.0	99	42	6.81	....	11	10	12	9
1902	67.8	100	34	2.62	....	8	13	13	5
1903	67.2	99	36	5.29	....	14	9	12	10
1904	68.0	96	34	4.36	....	9	15	10	6
1905	69.6	95	36	5.71	....	12	12	12	7
1906	73.2	96	39	5.62	....	12	10	12	9
1907	68.0	97	32	2.94	....	10	16	9	6
1908	69.4	102	30	3.22	....	7	15	10	6
1909	69.4	100	34	2.31	....	7	16	9	6
1910	69.8	98	35	2.61	....	6	14	10	7
1911	71.4	102	36	7.63	....	13	11	8	12
1912	67.1	93	36	5.02	....	14	9	12	10
1913	70.4	102	38	2.69	....	8	17	9	5
1914	71.3	100	34	3.85	....	11	13	11	7
1915	68.0	99	34	6.71	....	15	10	11	10
1916	71.9	103	32	2.57	....	8	17	10	4
1917	71.2	101	38	6.69	....	10	15	10	6
1918	73.6	108	32	4.12	....	11	16	10	5
1919	68.2	94	35	5.43	....	12	13	10	8
1920	70.2	95	37	4.66	....	15	9	12	10
1921	68.4	97	35	3.83	....	9	17	8	6
1922	69.1	100	31	3.14	....	10	15	9	7
1923	69.2	96	30	3.10	....	9	15	11	5
1924	70.1	102	31	3.78	....	9	16	10	5
1925	69.7	97	26	2.28	....	7	18	9	4
1926	71.9	103	32	5.69	....	15	11	8	12
1927	65.5	92	34	4.12	....	12	12	10	9
1928	73.4	99	35	4.60	....	12	13	11	7
1929	67.7	98	31	2.52	....	7	17	8	6
1930	70.3	108	29	1.47	....	7	15	10	6
1931	71.1	104	40	4.01	....	12	11	10	10
1932	71.6	103	34	2.82	....	8	19	8	4
1933	70.8	104	38	7.61	....	12	13	9	9
1934	68.6	98	30	4.94	....	11	14	8	9
1935	71.3	98	31	3.91	....	11	13	10	8
1936	73.2	102	37	4.96	....	12	13	11	7
Period	70.1	108	26	4.23	....	10	13	11	7

Climatological Data for August, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	74.6	+3.2	96	3†	51	18	35	3.96	−0.94	1.10	0	13	10	20	1	sw.	John A. Frick.
Altoona	Blair	1,615	49	71.2	+2.2	92	23	45	18	36	4.71	+1.22	1.21	0	13	10	11	10	w.	John J. Martin.
Ardmore	Montgomery	350	16	74.2	+2.2	95	4†	54	31	31	3.15	−2.46	1.18	0	11	8	13	10	......	H. L. Balderston.
Arendtsville	Adams	700	14	73.9	+1.9	98	23	51	1	38	5.94	+2.14	1.84	0	15	24	3	4	se.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	73.6	......	95	23	47	1	41	3.92	....	1.07	0	12	16	4	11	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	76.0	+3.0	97	23†	54	2	36	3.28	−1.17	0 98	0	12	10	8	13	sw.	Lehigh University.
Carlisle	Cumberland	467	70	76.2	+3.4	101	25	50	1	36	1.97	−2.75	0.65	0	13	17	7	7	s.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	74.0	+3.4	99	24	45	18	44	6.98	+2.98	1.70	0	16	23	3	5	......	W. L. Gearhart.
Center Hall	Center	1,272	40	70.7	+2.3	93	23	45	18	39	5.23	+1.30	1.10	0	13	11	14	6	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	75.7	+3.6	100	23	50	1	36	4.57	+0.75	1.79	0	12	10	13	8	sw.	William B. Spear.
Clearfield	Clearfield	1,120	29	72.0	+2.0	93	21†	42	18	44	7.12	+3.00	1.35	0	17	8	17	6	se.	E. W. Hess.
Coatesville	Chester	380	49	73.0	+0.4	96	23	53	9	31	4.53	−0.20	1.20	0	9	11	3	17	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	71.3	+1.1	92	23	48	18	33	3.91	−1.18	0.92	0	14	17	7	7	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	71.0	+3.6	94	23	42	18	41	5.92	+1.94	1.54	0	15	14	11	6	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	76.1	+4.1	98	23	52	1	39	5.61	+1.35	1.74	0	11	13	7	11	s.	Ira J. Keath
Freeland	Luzerne	1,970	43	70.2	+3.7	91	23	48	18	30	3.10	−1.30	1.25	0	12	4	14	13	sw.	Andrew B. Evansha.
George School	Bucks	190	30	74.6	+2.8	96	3†	53	1	34	8.87	+3.83	2.09	0	12	20	5	6	s.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	75.8	+3.7	96	23	52	1	38	3.66	−0.66	0.78	0	13	16	7	8	s.	Dr Henry Stewart
Gordon	Schuylkill	840	32	71.2	+3.1	96	23	43	18	42	5.87	+1.71	2.20	0	16	15	7	9	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	63.4	+0.8	86	3	37	17	40	4.96	+0.65	1.25	0	11	15	12	4	w.	Ronald H. Marshall.
Hamburg	Berks	535	43	74.9	+3.5	97	4	52	1†	36	6.60	+1.43	2.35	0	14	12	16	3	sw.	State Sanatorium.
Hanover	York	600	32	76.7	+3.3	96	23	55	1†	31	3.42	−1.10	1.20	0	9	20	5	6	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	75.0	+2.4	96	23	55	18	27	2.97	−1.07	0.89	0	17	7	14	10	w.	U. S. Weather Bureau.
Hawley	Wayne	900	18	68.9	+1.2	94	3	41	18	46	5.15	+1.06	1.08	0	15	18	9	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	78.3	+3.7	97	25	60	1	28	2.07	−1.85	0.58	0	11	18	6	7	.....	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	49	73.4	+2.8	96	23	46	1	43	5.28	+1.40	1.03	0	12	11	13	7	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	74.4	+3.0	100	22	46	1	45	3.64	+0.07	2.10	0	6	21	3	7	......	Glenn R. Shaffer.
Kyiertown	Clearfield	1,637	5	69.4	....	90	23	44	18	36	5.22	....	1.47	0	14	5	12	14	sw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	74.3	+2.2	95	20†	49	18	38	6.92	+2.84	2.30	0	12	19	11	1	sw	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	71.1	+3.0	97	3	40	18	50	7.78	+4.31	1.82	0	13	12	16	3	......	C. P. Darling.
Lebanon	Lebanon	469	52	74.8	+2.8	97	25	50	18	35	3.49	−0.94	0.53	0	14	15	14	2	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	73.5	+2.2	97	23	47	18	38	5.15	+1.14	1.90	0	15	6	20	5	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	10	78.8	+3.3	100	3	59	31	30	7.09	....	2.00	0	8	20	4	7	w.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	65.6	+1.7	90	23	40	30	32	4.41	+0.15	1.96	0	14	14	4	13	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	69.6	+1.9	94	3	42	18	42	4.83	+0.20	0.93	0	15	21	5	5	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	74.4	+2.9	97	23	51	1	37	6.59	+0.72	1.96	0	12	22	1	8	sw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	72.6	+2.4	91	3†	49	18	36	7.08	+3.01	4.69	0	11	17	11	3	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	76.0	+1.2	95	25	58	31	25	3.30	−1.32	1.18	0	11	8	13	10	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	77.5	+3.9	101	3†	51	18	41	6.32	+0.97	2.45	0	9	15	10	6	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	72.6	+2.3	96	3†	46	1†	41	3.48	−1.61	1.21	0	11	17	3	11	s.	John E. Benner.
Reading	Berks	273	66	75.0	+2.6	94	23	57	18	27	4.87	+0.66	1.12	0	11	8	15	8	sw.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	70.6	....	95	4	44	18	40	4.36	....	1.13	0	11	13	13	5	sw.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	72.4	+2.6	95	23	48	18	36	4.58	+0.89	1.20	0	17	5	18	8	sw.	U.S Weather Bureau.
Selinsgrove	Snyder	455	46	74.0	+2.7	96	23	48	1	40	3.64	−0.20	0.71	0	14	14	11	6	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	76.8	+2.9	95	4†	55	1	32	2.50	−2.61	0.77	0	9	10	12	9	s.	W. S. Guiles.
Shippensburg	Cumberland	660	3	75.0	....	96	23	52	1†	32	3.97	....	1.00	0	11	12	8	11	sw.	State Teachers College
State College	Center	1,217	52	71.8	+3.2	92	23	47	18	32	4.62	+1.14	0.98	0	14	13	14	4	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	72.4	+3.2	99	22	46	17	42	4.24	+0.04	2.20	0	6	18	3	10	w	State Normal School.
Towanda	Bradford	754	42	70.8	+2.6	96	3	43	1	45	5.17	+1.74	2.09	0	14	7	17	7	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	68.7	+2.5	93	3†	39	18	45	6.51	+3.33	2.36	0	12	20	8	3	nw.	George W. Hill.
West Chester	Chester	455	87	74.7	+2.7	95	3†	52	31	34	6.14	+1.14	1.62	0	12	17	6	8	sw.	Harlan Saylor.
Williamsport	Lycoming	521	50	73.0	+2.2	97	23	46	18	43	3.65	−0.08	0.88	0	13	8	9	14	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	21	72.6	+2.2	92	14	50	18	31	3.10	−0.81	1.10	0	11	12	12	7	sw.	Susquehanna Collieries Co
York	York	400	48	75.5	+3.1	98	23	50	18	37	3.10	−0.96	1.19	0	8	20	5	6	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	46	68.8	+2.8	94	24	38	18	42	4.85	+1.01	1.18	0	12	7	10	14	......	Frank S. Fawcett.
Butler	Butler	1,077	23	71.8	+2.2	98	21	42	1	43	3.55	−0.35	0.80	0	10	17	10	4	......	William C. Faust.
Chambersville	Indiana	1,047	35	71.6	+1.8	93	21†	43	1	41	6.63	+2.71	1.11	0	15	11	4	16	sw.	John E. Lewis.
Clairton	Allegheny	1,020	4	74.0	....	96	21	50	18†	33	3.15	....	1.18	0	8	10	6	15	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	76.0	+4.4	102	21	46	1†	40	3.81	+0.04	2.50	0	11	16	13	2	nw.	J. L. Melvin.
Corry	Erie	1,430	23	71.0	+4.4	95	16	37	18	45	3.81	+0.77	0.77	0	15	11	20	0	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	73.7	+3.1	95	21†	47	1†	38	6.80	+2.73	1.88	0	11	11	16	4	sw.	Ted R. Wineman.
Donora	Washington	762	10	76.9	+3.2	99	23	53	1	35	4.09	+0.18	2.25	0	9	10	15	6	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	71.0	+4.5	90	23	46	1	36	9.48	+5.46	2.88	0	16	16	11	4	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	68.8	+2.9	96	21	42	1	37	5.79	+1.51	2.20	0	6	14	12	5	w.	J. S. Stevanus.
Franklin	Venango	957	62	72.4	+4.0	95	13†	43	18	45	5.46	+1.77	2.14	0	13	11	5	15	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	74.8	+4.1	97	21	50	1†	36	6.21	+2.10	2 39	0	13	8	17	6	w.	Westmoreland Water Co
Greenville	Mercer	950	40	73.1	+4.2	96	21	44	18	45	7.26	+3.79	1.35	0	13	11	13	7	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	72.4	+3.9	92	13†	46	18	33	3.99	+0.52	1.25	0	13	11	9	11	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	74.0	+3.5	98	21†	45	1†	39	5.20	+1.42	1.90	0	13	22	7	2	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	74.1	+2.9	96	21†	47	1	42	9.25	+4.73	2.30	0	16	12	14	5	nw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	4	68.6	....	90	23	39	18	39	4.26	....	2.00	0	11	13	7	11	s.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	44	73.9	+3.1	94	21	51	31	25	6.35	+1.93	1.78	0	13	4	20	7	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	73.0	+5.6	95	21	44	18	39	5.57	+2.04	1.50	0	14	13	10	8	nw.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	74.3	....	98	22†	49	2	43	4.06	....	1.40	0	11	12	10	9	nw.	Perry P. Campbell
New Castle	Lawrence	808	56	72.5	+2.1	93	22	44	18	37	4.58	+1.10	1.04	0	12	10	15	6	nw.	New Castle Water Co.
Newell	Fayette	800	16	77.2	+5.2	102	22	49	1	35	3.75	+0.11	2.80	0	5	21	7	3	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	74.6	+1.7	98	21	51	31	26	3.97	+0.74	1.78	0	11	7	15	9	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	69.6	+2.6	91	21†	40	18	43	6.47	+3.05	2.00	0	11	9	10	12	sw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	23	74.8	+4.5	97	13	47	18	41	5.69	+2.12	2.00	0	11	11	10	10	s.	Harry H. Gerber.
Somerset	Somerset	2,190	69	68.8	+1.7	92	21†	37	1	45	6.66	+1.75	2.03	0	15	6	16	9	sw.	D. L. Grove.
Uniontown	Fayette	1,100	48	76.0	+4.3	99	21	50	1	35	5.98	+1.27	2.22	0	13	14	15	2	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	74.2	+3.1	98	21†	47	18	41	4.13	+0.23	0.83	0	11	15	13	3	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	47	71.6	+4.0	90	16†	48	18	30	5.72	+1.97	1.84	0	11	19	7	5	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	75.8	....	101	21	47	1	39	4.27	....	2.48	0	5	5	23	3	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	72.7	+3.1	93	19	55	18	27	1.28	−1.99	0.54	0	12	13	11	7	n.	U.S. Weather Bureau.
For the State	....	....	49	73.2	+3.1	102	21†	37	1†	50	4.96	+0.73	4.69	0	12	13	11	7	sw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md: of Lycippus, Greensburg: of Neshaminy, Oakford: of Sharon, Farrell: of Shawmont, Manayunk: of Kane (near), Wilcox.

W. B. O. Philadelphia-9 30-36-1050.

Daily Precipitation for August, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
tlantic Drainage.																																	
llentown‖	Lehigh					.10	.04	.06				.39				.11	.84	.04			T.		.03		1.10		.31	.10		.39	.45		3.96
ltoona	Juniata					.39	.91								T.	.28	.16			.15	.31	.01			.98	.09	T.	.06	.03	1.21	T.	.18	4.71
nsonia‖	W. Br. Susq				T.	.56	2.58	.10				.86				.12	.01			.12	.32		.78		.63		.39	.01		.70		.14	7.82
rdmore	Lower Del				.14		.32	T.								.03	.27					.58	.01	.08		.24	.15		1.18	.15			3.15
rendtsville	Lower Susq					.03	.25	.01				.41	.02	.01		.98	.03				.12		.09	.04			1.81	1.84	.01	.29			5.94
aker's Summit	Juniata					.50	.22					.02			.10		.44			.41	.07	.87	.87		.38	.16	.03	.69	.02	2.08			6.86
edford	Juniata					.24	.49				T.	.03			T.	05				.84			.30		.16		.43	.20	.04	1.07	T.	.07	3.92
llefonte	W. Br. Susq				T	.20	1.11				.90	.03			.10	T.	.54			.08	.11	.02	.20	T.	1.19	T.	T.	.20	.20	.60	T.	.15	5.63
ethlehem	Lehigh				.06		.15	.04				.30				.02	.65			T.	T.		.02		.98		.14	.05		.45	.42		3.28
oserville‡‡	Lower Susq						.35				1.20				.50		.40				.20	.35		.15	.18		.20	.05		.80		.08	4.46
uffalo Mills‖	Juniata					.22	.37	.29				.20				.18					.45		1.01		.08		1.25			1.45			5.50
rlisle	Lower Susq					.20	.03				T.	.32			T.	.08	.18		.03	.17	T.	.03	T.	T.	.05	T.	.02	.19	T.	.65		02	1.97
tawissa	N. Br. Susq			.02	.55	.05	.25				.70				.20	.50	.69			.02		1.70	.02	.30		1.42	.04		.20	.32		T.	6.98
nter Hall	Susquehanna					.10	1.10					.84			.18		.12				.73	.57			.50			.14	.02	.87	.04	.02	5.23
hambersburg	Potomac					.04	.11					.51				.30				.11	.09	.28	1.41	.04			.33	.98	T.	.37			4.57
earfield	W. Br. Susq				1.35	.15	.80					.11			T.	.22	.32			1.08	.33	.03	.03	.15	1.00	.12	.24	T.	.14	1.12	.03	T.	7.12
atesville	Lower Del						1.16									.45	.18						.45		.02	.88	.10	.09		1.20			4.53
lebrook	Lower Susq				T.	.14	.15					.63				.54	.65	.21		T.	.04	.10	.03	.01		.38		.07	.04	.92			3.91
nshohocken	Schuylkill				.10		.69	.51									.27						.29		.24		.36	.09		.87	.05		3.47
ylestown	Lower Del				T.	.01	.13	.31				.09		T.			.83	1.45					.05		.90		1.37	.07		.98	T.		6.19
nporium	W. Br. Susq				.51	.01	1.54				.04				.22	.63	.42			.68	.30				.21	.19			.18	.95	.02	.02	5.92
hrata	Lower Susq				.02	.16	.23	.19				.40				.29	.76	T.			T.		.52				1.74	.20		1.10			5.61
rest City	N. Br. Susq						1.11	.22				1.02				.72	.10				.74		.55	.10						.96	.05	.03	5.60
eeland‖	Lehigh					.07	.06	.21						.57	T.	.06	.08	.01		T.					1.25		.21	.10		.45	.03	T.	3.10
aleton	W. Br. Susq				.53		2.25	.30			.82				.20	T.				.18	.37	1.35	T.	.59	.08	.55	T.		.20	.49	.09		8.00
eorge School	Lower Del				T.	.07	.41	.08								1.67	.73	2.09					.05		1.36		1.06	.05	T.	1.29	.01	T.	8.87
ttysburg	Potomac						.10	T				.40	.03			.05	.65	.16		.01	.09		.35			.04	.77	.78		.23			3.66
rardville‖	Lower Susq				.07		.04	.07			.93					.89	.25			.03		1.18		1.23		.75	.07		.64	.03			6.18
rdon	Lower Susq					.01	.16				.03	.52				.66	T.	.55		.01	.01	.03	.86		2.20		.02	.14	.14	.45		.08	5.87
uldsboro‡	Lehigh				.04		.20				1.24				1.12		.25					.10			1.25	.07		.04	.56	.09			4.96
aterford	Schuylkill				.31	.19	.06	.38				.02					.54						1.16		.83		.47	.23		1.34			5.53
amburg	Schuylkill				.06	.02	.09					.58				.32	.05	.02			.03		2.35		.53	T.	.30	.27	.05	1.93			6.60
anover	Lower Susq						.09	.18				.21	.01			T.	1.20	T.		T.	T.		.24		T.		.70	.57	T.	.22			3.42
rrisburg***	Lower Susq				.01	.04	.05				.15	.06		T.	.02	.77	.18			.22		.07	.05	.15	.04	.03	T.	.24	.37	.52			2.97
awley‖	Upper Del					.28	.13	.26				1.08				.64	.08	.06			.20		.30	.73	.61		.03	.09	T.	.65	.01		5.15
llisterville	Upper Del					.61	T.	.44				1.25				.36	.02	.23			.04			.09	1.01	.05	.03	.04		.50			4.67
ltwood‡	Lower Susq						.22	.07				.58	.11			T.	.48				T.		.05	.08			.16	.17	.06	.09			2.07
ntingdon	Juniata					.62	.69					.20			.48	.26				.12	.28	.45		.86		.09			.20	1.03			5.28
ndman	Potomac					.28									2.10	.24					.26		.62				.14						3.64
lertown***	W. B. Susq			.45	.06	.38	.40	T.			.15				.35	.11	.49			.31	T.	T.	T.	1.47	T.	.14	.01	T.	.20	.70	T.	T.	5.22
keville‖	Upper Del					.53	.50					.92				.30	.43				.08			1.12	.32			T.		.56	.04	T.	4.80
ncaster	Lower Susq					.25	1.04	.02				.55				.09	2.30	.09			.01		.04				1.17	.15		1.21			6.92
nsford‖	Lehigh					.06	.03	.11				.52			.04		*	1.37			.01		.39		2.14		.20	.04		.67	.02	T.	5.60
wrenceville	N. Br. Susq				.22		1.82				1.70				T.					.15	1.23	.26		.72	.11	.92			.15	.30	.10	.10	7.78
banon	Lower Susq			.06	.25	T.	.19				.38				.53	.50	.40			.04		.07	.21	.12		.06	.26		.42				3.49
highton‖	Lehigh					.27	*	.17				.75			.90		.15	.17							3.02		.19	.50					6.12
ck Haven	W. Br. Susq					.08	.90					.60			.01	.26		.01		.10	.05	.10		.13	.46		.16	.36		1.90		.30	5.15
rcus Hook	Lower Del							.98				T.						2.00					.07		1.56		1.54	*		.82		.12	7.09
atamoras‖	Upper Del					.15	.12	.05				1.04				.49		T.	T.			.14	.24	.52	1.69				.08	.98			5.50
auch Chunk	Lehigh																																....
ontrose	Susquehanna				.06		1.55				.71	.24			.33	.12				.01	.93	.55		.67	.18		.09		.15	.30		.11	6.00
orris Run	N. Br. Susq			T.	.35		2.02	.06			.90	.08			1.11		.06				.35	1.15		.30		.02	.09		.15	.50		.50	7.64
ount Pocono	Upper Del						.21	.02			.16	.60	.44			.24								.20	1.76		.02	.14	.10	.36	.10	.06	4.41
uncy Valley	W. Br. Susq				.04	T.	.66				.44	.50			.07	.25	.41			.07	.06	.93		.15	.07	T.		.13	.12	.93		T.	4.83
eshaminy ‖	Lower Del					.07	.42	.17							.74	.06	1.96	.02			T.	T.			.89	1.13	T.	.09		1.03		.01	6.59
ew Park	Lower Susq						.11					.46					.33				.08					.54		.23		.69		T.	2.44
wport‖	Juniata					.10	.08	.07				.12				.02	.23	.50			.15		.07		.33		.12	.35	.03	.95	.20		3.32
lmerton‡	Lehigh				T.		.07				.89			.32		.21	.21			T.		.01		4.69		.15		.03	.18	.32			7.08
upack‖	Upper Del					.63	.25					1.20				.95	.15	.25					.20	.73				.04		.52			4.92
iladelphia***	Lower Del				.11		.95	.23								.03	.22					.32	T.		.22	.30		.07	.02	.83		T.	3.30
ila. Navy Yard ‖	....do						1.33	T.									.46										.62	.01		.80			3.37
ila-P'nt Breeze.‡	Lower Del			T.	T.		1.19					T.					.41	T				*	*	.26	.22		.30	.03	T.	.96		T.	3.37
oenixville	Schuylkill					.11	.01	.17				T.					.26						.61		.92		1.54	.25		2.45	T.	T.	6.32
ne Grove	Lower Susq				.07		.10				1.27					.40	.03			.06	.02	.90		.10	.04	.02	.15	.50	.22	.60			4.48
easant Mt.‖	Upper Del						1.10				1.40					.91	.06			.66		.53		.81			.04			.46		.31	6.28
ttstown	Schuylkill				.01	T.	.13				.15	.13				.07	1.08			.01		.79	T.	.60	.01	1.05	T.	.45	.04	.39		.01	4.92
ttsville	Schuylkill				.04	.02	.20				.30	.82				.04	.78	T.		T.			1.00		.98	T.		.11		.57		T.	4.86
akertown	Lower Del						.22	.08				.22					.64				.12		.05		.46		1.21	.08	.02	.38			3.48
ading***	Schuylkill				T.	T.	.12				.17	.13				.06	1.06			T.		.77	T.	.60	T.	1.08	T.	.47	.03	.38		T.	4.87
novo.‖	W. Br. Susq				.17	.12	1.48					.55				.09	.06			.49	.18		.45		.08		.05			.64		.03	4.39
treat	N. Br. Susq				T.	.07	.47					.93			.24	1.13	.02					.16	.01	T.	.46		.08	.01		.78			4.36
ranton***	....do			T.	.03	T.	.92				.83				1.19	.02	.06			.11		.05	.01	.50	.02	.06	.01	.02	.30	.42		.30	4.58
linsgrove	Lower Susq					.04	.34					.32				.14	.30			.08	.04		.68		.30	.02		.65	.01	.71	.01		3.64
awmont	Schuylkill						.05	.39									30						.24		.48		.18	.08		.77		.01	2.50
ippensburg	Lower Susq			T.		.04	.22					.39			T	.77	.02			.10			.48		.01		.17	1.00	T.	.77			3.97
ate College	W. Br. Susq				T.	.19	.98	T.			.22	T.			.27	.11	.17			.41	.23	.23		T.	.81	.03	T.	.02	.02	.93	T.	T.	4.62
roudsburg‖	Upper Del						.25				.72					.10								2.20				.21		.76			4.24
nbury‖	Lower Susq					.03	.09	.35				.30				.18	.49	T.			.06		1.16	T.	.36		.05	.33		.60		T.	4.00
squehanna‖	N. Br. Susq						1.68	.03	.01			1.03		T.		1.30					1.36		.41	T.	.25		.29	.05		.27	.02	.01	6.71
wanda	....do				.02	T.	2.09				1.03				.31	.04				.06	.53	.06		.38	.03	.09		T	.25	.22	T.	.06	5.17
eikert	Lower Susq						.65				.26					.33	.15			.20		.15			.85					.75	.05		3.39
ellsboro	W. Br. Susq			T.	.39		2.36	.09			.18				.10	.02				.06	.34	1.00		.60	T.		T.		.29	1.08	T.	T.	6.51
est Chester	Lower Del						1.28	.11								.13	.24					.14	1.62	.01	T	.54	.20	.30	T.	1.55	.02		6.14
estgrove‖	....do							1.25	T.			T.	.03					.15					.40	.41			.18	.09		.64	.28		3.43
ilkes-Barre‖	N. Br. Susq					.02	.12	.22				.67				.91	.04						.01		.34		.06	.06		.47	.02	T.	2.94
illiamsport‖	W. Br. Susq				.02	.02	.54	.10				.66				.70	.04	T.			.10		.15		.30		.13	.01		.88			3.65
illiamstown	Susquehanna				T.	.07	.17				.05	.29					.15	.05		T.	.06		.26		.09			1.10	T.	.81		T.	3.10
rk	Lower Susq						.05					.72	T.				1.19			T.	.08		.07				.38	.20		.41			3.10
rk Haven‖	Lower Susq					T.		.77				1.39				.52	.72										1.45	.28		.77			5.90
nsville..(near).	Schuylkill					T.	.33	.09				.86					.46						.09		.76		.45	.21		.46			3.71
enton. N. J***	Lower Del				T.	.08	.44	T.				T.			.04	.59	.46					.01	T.	T.	.75	.72	T.	.03	.04	.95		T.	4.11

Continued on page 39.

Daily Precipitation for August, 1936—Continued from page 38

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	....	....	....	.16	.45	.95	.02	....	....	....	....	....	....	....	T.	.10	....	....	.11	.69	....	T.	T.	.09	....	.90	T.	....	.72	T.	T	4.19
Bradford	Allegheny	....	....	....	.23	....	.51	....	....	....	.01	....	....	....	.27	....	1.88	....	....	.06	.44	.03	....	....	.07	.23	T.	....	.14	.47	.19	.12	4.65
Brookville‖‖	....do	....	....	....	.74	....	.40	.05	....	....	....	T.	....	....	....	.25	....	....	....	.11	.32	....	....	.04	.48	....	1.18	....	....	1.13	.02	.13	4.85
Butler	Ohio	....	....	....	.13	.25	.80	....	....	....	....	....	....	....	....	....	.08	....	....	.12	.75	....	....	.13	....	.53	....	....	....	.71	.05	...	3.55
Chambersville	Allegheny	....	....	....	.28	.31	1.10	....	....	....	....	....	....	....	....	.73	....	....	.75	....	.42	.17	.30	....	.88	.17	.23	....	.03	1.11	.01	.14	6.63
Clairton‡	Monongahela	....	....	....	.05	.57	.07	....	....	....	....	....	....	....	....	....	....	....	....	.42	....	.22	....	....	....	.55	....	....	....	1.18	....	.09	3.15
Claysville	Ohio	....	....	T.	.01	.01	.19	....	....	....	....	....	....	....	....	....	....	....	....	.02	.05	....	....	....	.01	.28	.61	....	.02	2.48	T.	.13	3.81
Confluence‖‖	Youghiogheny	....	....	....	....	.63	.54	.50	....	....	....	....	.10	....	....	....	....	....	....	.26	.94	....	.80	....	....	....	1.07	.05	....	2.15	.40	.12	7.56
Corry	Allegheny	....	....	.02	.01	....	.76	....	....	....	....	....	....	....	.20	.13	....	....	....	.51	....	.02	.11	.07	....	.22	.14	.21	.47	.77	.17	....	3.81
Derry	Conemaugh	....	....	....	.09	1.16	.95	....	....	....	....	....	....	....	....	....	....	....	....	.24	.12	.36	....	.29	1.33	.13	.25	T.	T.	1.88	....	....	6.80
Donora‖‖	Monongahela	....	....	....	....	.08	.10	....	....	....	....	....	....	....	....	....	....	....	....	.25	.04	....	.52	....	....	....	.73	.10	....	2.25	....	.02	4.09
Ebensburg	Conemaugh	....	....	T.	....	.46	.62	....	....	....	....	.02	....	....	....	.04	.61	....	....	1.02	.44	.02	.50	....	2.88	.83	.07	.09	.21	1.55	....	.12	9.48
Elk Lick	Youghiogheny	....	....	....	....	.58	.80	....	....	....	....	....	....	....	....	....	....	....	....	.60	.41	....	2.20	....	....	....	....	....	....	1.20	....	....	5.79
Franklin‖‖	Allegheny	....	....	....	.06	.05	2.14	....	....	....	....	....	....	....	....	.02	.48	.03	....	.05	.56	....	.10	....	.50	....	.47	....	....	.78	....	.22	5.46
Greensboro‖‖	Monongahela	....	....	....	.05	.06	.62	.40	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.14	....	.44	....	....	2.50	.18	.12	4.51
Greensburg	Youghiogheny	....	....	T.	T.	.15	.86	....	....	....	....	T.	....	....	....	T.	T.	....	....	.11	.09	.66	.02	.22	.76	.19	.26	.41	.09	2.39	....	T.	6.21
Greenville	Beaver	....	....	....	.13	T.	.99	....	....	....	....	....	....	....	.05	.75	.36	....	....	1.28	....	....	.78	....	.08	1.35	.10	....	.14	1.15	.10	....	7.26
Grove City	....do	....	....	T.	.01	.14	.32	....	....	....	....	....	....	....	T.	.40	T.	....	....	.15	.16	.03	.13	....	.21	1.07	.08	....	....	1.25	.04	....	3.99
Herrs Isl. Dam‖‖	Ohio	....	....	T.	.03	.18	.40	T.	....	....	....	....	....	....	....	.03	.05	....	....	.68	.33	....	....	.09	T.	....	.42	.15	....	1.92	.02	T.	4.30
Irwin	Monongahela	....	....	....	.05	.23	.62	....	....	....	....	....	....	....	....	T.	....	....	....	.41	.42	.33	....	....	.05	.14	.33	.49	.19	1.90	T.	.04	5.20
Johnstown	Conemaugh	....	....	....	.26	.39	.48	....	....	....	.22	....	....	....	.46	.10	.08	....	....	.63	.01	.36	T.	....	2.30	.71	.92	....	.04	2.21	....	.08	9.25
Kane (near) ‡‡	Allegheny	....	....	....	.04	....	2.00	....	....	....	.04	....	....	....	....	.09	.06	....	....	T.	.75	....	T.	....	....	.41	....	....	.14	.61	.07	.05	4.26
Kregar‖‖	Youghiogheny	....	....	....	1.47	1.54	.03	....	....	....	....	....	....	....	....	....	....	....	....	.46	....	.85	T.	.24	....	1.32	.58	....	2.38	.45	.03	....	9.35
Lake Lynn‖‖	Monongahela	....	....	....	.08	.22	.93	.66	....	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	....	.04	....	.67	....	....	1.91	.42	.09	5.06
Linesville‖‖	Beaver	....	....	.41	.45	....	.13	....	....	....	....	....	....	....	....	.21	....	....	....	.54	....	....	.09	.21	.53	....	1.06	....	1.29	.09	.19	.17	5.37
Lock No. 2‖‖	Ohio	....	....	....	.04	1.45	.48	.02	....	....	....	....	....	....	....	T.	.02	....	....	.17	.58	....	.02	.03	.04	....	.49	....	....	2.29	T	....	5.63
Lock No. 4‖‖	Monongahela	....	....	....	....	.08	.05	.02	....	....	....	....	....	....	....	....	....	....	....	.26	.09	....	.18	....	.14	....	1.04	....	....	2.25	.11	.13	4.35
Lock No. 5‡‡‖‖	Allegheny	....	....	....	.05	.43	.11	.02	....	....	....	....	....	....	....	T	T.	....	....	T.	.67	....	.09	T.	.79	....	.49	T.	....	.97	.01	.01	3.64
Lycippus	Conemaugh	....	....	.05	.40	.85	....	....	....	....	....	....	....	....	....	T.	....	....	....	.18	.39	.60	....	....	.10	.88	.12	.80	T.	1.78	.12	.08	6.35
McKeesport‖‖	Monongahela	....	....	....	....	T.	.99	T.	....	....	....	....	....	....	....	....	....	....	....	.49	.42	....	.32	....	T.	....	.43	.04	....	1.55	.01	....	4.25
Meadville	Allegheny	....	....	....	.44	....	.55	....	....	....	.76	....	....	....	....	.06	....	....	....	.70	....	.05	.03	....	.28	.40	.03	....	.12	1.50	.37	.28	5.57
Midland	Ohio	....	....	....	.37	.60	T.	....	....	....	....	....	....	....	....	.13	1.27	....	....	.09	....	....	.32	.04	....	.31	....	....	.19	.68	....	.06	4.06
Mosgrove‖‖	Allegheny	....	....	....	.04	.21	.25	....	....	....	....	....	....	....	....	....	....	....	....	.02	.74	....	.04	.32	.05	....	.38	....	....	1.00	....	.05	3.10
Mount Lebanon	Ohio	....	....	....	.12	.28	.04	....	....	....	....	....	....	....	....	T.	.16	....	....	.23	....	.02	....	....	.05	.43	.05	....	.10	1.55	T.	.09	3.12
Natrona‖‖	Allegheny	....	....	....	.22	.70	.30	.05	....	....	....	....	....	....	....	T.	T.	....	....	.11	.92	....	T.	....	.45	....	.44	.25	....	1.44	.02	.01	4.91
New Castle‖‖	Beaver	....	....	....	T.	.19	1.02	T.	T.	....	T.	....	....	....	T.	.02	.09	T.	....	T.	.92	....	.14	.02	.16	....	1.04	....	T.	.94	.01	.03	4.58
Newell	Monongahela	....	....	T.	....	.20	.05	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	....	....	....	T.	....	T.	....	....	2.80	....	.20	3.75
Parkers Landing‖‖	Allegheny	....	....	....	T.	.20	.32	....	....	....	....	....	....	....	....	T.	.30	....	....	.16	.55	....	.10	.13	.43	....	.46	....	....	.90	....	...	3.55
Pennline‖‖‡‡	Beaver	....	....	....	.27	....	.99	....	....	....	....	....	....	....	T.	T.	.21	.18	....	....	1.20	....	....	....	.57	....	.50	....	....	.90	05	.12	4.99
Pittsburgh***	Ohio	....	....	....	.14	1.06	.05	....	....	....	....	....	....	....	....	.01	T.	....	T.	.31	....	.05	....	T.	.02	.53	T.	T.	.11	1.67	T.	.62	3.97
Punxsutawney‖‖	Allegheny	....	....	....	.47	.23	.71	T.	....	....	....	T.	....	....	....	....	.06	.42	....	1.02	.34	....	T.	.19	.47	....	.76	....	....	98	.02	.11	5.78
Ridgway	....do	....	....	....	.29	T	2.00	.11	....	....	T.	.90	....	....	....	....	.47	.46	T.	....	.35	....	....	T.	.19	....	.28	....	....	1.34	....	.08	6.47
Saltsburg‖‖	Conemaugh	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sharon‖‖	Beaver	....	....	....	.63	.16	.46	....	....	....	....	....	....	....	T.	.02	....	.20	....	.62	....	....	.28	....	.40	....	.87	....	....	2.00	....	.05	5.69
Smethport‖‖	Allegheny	....	....	....	.02	.10	....	....	....	....	....	....	....	....	....	.25	....	....	....	....	.25	....	....	....	.25	....	....	....	....	.50	....	.10	1.47
Somerset	Youghiogheny	....	....	....	.02	.54	.86	....	....	....	....	.03	....	....	....	.01	....	....	....	.13	.35	....	.38	....	.06	.96	.58	.51	.19	2.03	....	.01	6.66
Springdale‖‖‡‡	Allegheny	....	....	....	.06	1.21	.25	....	....	....	....	....	....	....	....	....	.03	....	....	.04	.83	....	.02	.03	.32	....	.34	.05	....	2.15	02	...	5.05
Uniontown	Monongahela	....	....	T.	.06	.65	.91	....	....	....	....	T.	....	....	....	....	....	....	....	.25	.12	.02	.19	....	.02	.60	.86	....	.02	2.20	T	.17	5.98
Unity Reservoir‡‡	Youghiogheny	....	....	....	....	.21	.60	....	....	....	....	....	....	....	....	T.	....	....	....	.53	.05	.44	.04	.48	.37	.23	.27	.50	.04	2.71	....	T.	6.47
Vandergrift‡	Conemaugh	....	....	....	.66	.32	.02	....	....	....	....	....	....	....	....	....	.04	....	....	.83	....	.01	....	.23	....	.34	.23	....	....	*	1.45	T.	4.13
Warren	Allegheny	....	....	....	.02	.50	1.34	....	....	....	....	....	....	....	.43	....	....	....	....	.12	1.55	....	.02	....	.08	....	.10	....	....	.75	.31	....	5.72
Waynesburg	Monongahela	....	....	....	....	.26	.47	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.29	....	.77	....	....	2.48	....	...	4.27
Westford‖‖	Beaver	....	....	.52	.10	.85	....	....	....	....	....	....	....	....	.73	.18	.65	....	.08	.78	....	.08	.05	.22	....	.08	....	1.35	....	....	.16	.02	5.85
West Newton‖‖	Youghiogheny	....	....	....	T.	.15	.08	....	....	....	....	....	....	....	....	....	....	....	....	.17	.21	....	.60	....	T	....	.57	.02	....	1.85	.08	.10	3.83
Lake Drainage.																																	
Erie***	Lake Erie	....	....	....	....	....	.11	.01	....	....	....	....	....	....	.01	.06	....	....	....	.17	...	.02	T.	.24	....	.09	T.	....	.53	.01	.02	.01	1.28
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity*	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	29.99	30.35	1	29.70	29	11.3	32	sw.	19	71	65	68	65
Harrisburg	30.00	30.37	1	29.72	29	6.2	24	ne.	10	79	55	63	50
Philadelphia	30.03	30.35	1	29.72	29	10.9	32	sw.	16	77	55	63	64
Pittsburgh	30.00	30.36	1	29.76	10	9.0	43	nw.	19	81	53	66	80
Reading	30.01	30.35	1	29.71	29	9.1	43	n.	23	78	56	65	55
Scranton	30.01	30.40	1	29.73	29	5.5	34	nw.	23	77	52	62	65

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.0	2.9	24	1.2	2	18
Phillipsburg	Delaware	0.8	2.5	25	0.2	11	22
Lehighton	Lehigh	2.2	3.0	24	2.0	21	7
Wilkes-Barre	Susquehanna	2.1	3.4	22	1.3	3	20
Williamsport	Susquehanna	0.7	1.6	31	0.1	5	20
Harrisburg	Susquehanna	3.3	3.5	26	3.1	6	18
Greensboro	Monongahela	11.4	12.7	29	10.7	17	30
West Newton	Youghiogheny	0.8	8.0	30	0.0	19	20
Lock No. 4	Monongahela	11.2	12.6	30	10.6	17	30
Pittsburgh	Ohio	.....	14.7*	30	9.8*	18	25
Midland	Ohio	.....	12.3*	30	9.3*	18	30

* —Pool stage.

Daily Temperatures for August, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	80	87	87	86	76	76	80	79	81	84	76	82	89	87	90	86	81	79	87	83	89	88	92	85	90	79	79	79	78	68	71	82.2
	Minimum	48	51	62	70	61	65	58	54	52	58	60	68	61	68	67	68	70	46	58	55	60	65	70	65	66	63	63	62	64	53	50	60.1
Bedford	Maximum	86	91	91	90	88	77	83	83	86	88	81	87	91	91	90	93	83	86	84	88	94	93	95	94	92	84	81	75	76	73	72	86.0
	Minimum	47	60	59	73	66	68	60	57	52	66	64	64	61	60	69	68	65	48	58	62	66	64	67	66	64	64	67	63	65	56	50	61.3
Bethlehem	Maximum	90	91	95	94	90	80	83	87	88	88	85	89	92	93	93	90	87	87	82	91	90	90	97	97	92	89	72	77	79	79	71	87.4
	Minimum	54	64	68	77	70	62	60	59	56	62	61	65	66	68	72	68	70	55	66	70	68	70	70	70	69	63	61	65	62	62	56	64.5
Brookville	Maximum	77	84	80	82	89	84	77	83	86	80	88	83	90	88	91	90	89	79	81	91	85	93	90	94	87	89	81	80	72	78	66	84.1
	Minimum	39	42	47	60	61	61	49	47	46	48	54	62	50	64	64	60	61	38	48	61	56	62	60	61	66	60	69	56	61	47	46	53.4
Butler	Maximum	81	91	90	80	85	76	85	85	88	89	85	87	94	91	91	88	83	82	90	85	98	91	92	94	80	85	85	80	82	75	80	86.0
	Minimum	42	50	47	59	62	65	49	62	57	56	64	66	56	65	72	61	60	41	63	63	60	68	68	68	65	62	62	61	66	61	62	57.6
Carlisle	Maximum	86	90	95	95	90	84	86	86	86	89	85	85	94	94	94	92	90	86	91	90	93	94	100	96	101	90	81	72	85	80	78	88.9
	Minimum	50	54	63	68	68	70	62	68	63	57	62	62	63	64	72	70	68	60	66	66	70	70	67	68	67	66	65	62	66	69	64	63.5
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	86	90	92	94	88	80	85	87	88	89	84	88	94	96	91	94	91	85	80	90	95	91	100	91	98	85	78	73	80	78	76	87.6
	Minimum	50	54	63	75	68	70	64	57	65	59	53	67	64	66	70	74	70	54	62	66	67	68	69	71	67	66	66	64	66	60	54	63.8
Chambersville	Maximum	83	89	88	87	83	77	82	83	86	88	79	90	85	90	87	82	83	86	82	82	93	89	93	87	89	84	81	74	76	71	71	83.9
	Minimum	43	48	68	67	65	63	63	63	55	59	69	55	62	68	67	67	45	60	62	63	63	65	69	63	62	61	61	60	63	51	47	59.3
Claysville	Maximum	86	93	91	91	88	84	84	88	93	93	88	90	97	93	93	88	88	86	95	94	102	101	100	96	96	86	85	91	90	75	75	90.3
	Minimum	46	53	64	68	64	63	48	53	62	63	59	57	58	68	71	70	67	46	66	65	65	75	76	67	66	64	62	64	64	53	49	61.8
Clearfield	Maximum	88	91	92	87	85	74	84	80	85	87	85	87	92	88	89	89	82	85	89	91	93	89	93	93	90	80	78	70	75	67	80	85.1
	Minimum	44	58	58	67	62	62	58	60	56	57	55	57	58	59	64	67	63	42	55	58	60	68	65	62	60	61	56	58	65	52	60	58.9
Coatesville	Maximum	83	83	84	90	82	78	80	82	84	80	82	85	80	84	78	82	81	82	82	80	81	83	96	83	86	84	78	80	81	79	74	82.2
	Minimum	54	59	62	73	68	63	59	56	53	61	63	66	63	68	69	71	69	65	66	74	69	68	70	70	66	66	62	59	62	60	64	63.8
Corry	Maximum	82	85	90	88	87	88	85	83	87	84	86	88	93	89	92	95	81	82	91	89	88	87	86	88	92	85	81	77	74	69	77	85.5
	Minimum	42	47	60	64	58	59	65	48	56	57	60	49	55	62	65	69	59	37	66	60	58	62	63	60	70	61	60	65	54	62	47	56.4
Emporium	Maximum	84	90	91	88	81	75	88	89	86	88	88	87	90	84	88	93	80	80	90	86	92	88	94	89	89	75	79	71	77	67	73	84.6
	Minimum	45	49	54	66	58	63	56	63	62	58	57	54	57	57	61	68	63	42	55	65	69	67	65	66	60	62	57	53	63	52	48	57.6
Erie*	Maximum	80	83	87	79	74	75	78	83	85	80	76	83	87	84	85	86	76	82	93	78	90	93	90	83	75	70	72	77	76	64	69	80.4
	Minimum	57	63	71	69	63	64	64	63	66	70	63	64	68	73	73	72	60	55	71	68	68	66	70	70	64	61	58	62	62	57	59	65.0
Franklin‡	Maximum	89	94	92	87	87	83	88	87	88	90	88	93	95	85	84	93	80	84	92	90	94	91	96	93	92	80	81	74	80	65	75	86.7
	Minimum	45	49	57	66	57	61	52	53	54	61	53	52	55	62	65	66	62	43	59	64	60	67	69	64	60	62	66	58	63	54	49	58.0
Freeland	Maximum	83	85	89	87	79	71	80	81	82	81	79	80	85	87	86	87	79	78	78	87	77	83	91	77	86	74	68	68	70	69	66	79.7
	Minimum	58	62	62	72	61	60	55	58	56	61	67	62	65	66	68	67	66	48	60	64	50	66	69	65	67	58	53	53	57	54	49	60.6
Gettysburg	Maximum	85	89	93	94	90	79	83	86	86	87	84	85	92	93	91	91	89	83	79	90	93	93	96	93	95	88	79	72	82	78	76	86.7
	Minimum	52	68	65	75	70	70	65	58	68	58	63	64	66	67	72	70	70	58	63	67	68	69	70	75	57	66	67	64	67	59	64	65.0
Greensburg	Maximum	85	90	91	89	84	80	83	87	89	90	84	89	91	86	90	87	86	83	87	89	97	96	96	89	93	83	83	80	76	71	72	86.3
	Minimum	50	54	65	69	65	64	55	58	62	64	61	58	63	67	71	73	69	50	67	65	67	70	73	67	65	65	66	65	66	69	51	63.4
Grove City	Maximum	81	87	87	84	82	78	85	82	86	86	84	90	92	86	84	85	79	79	90	85	92	91	90	89	86	80	80	75	75	71	70	83.9
	Minimum	51	56	65	67	59	60	64	57	60	61	58	58	60	67	68	67	61	46	67	65	64	68	74	63	62	61	67	60	63	52	53	61.1
Hamburg	Maximum	88	91	96	97	88	79	85	88	88	88	83	89	93	94	90	91	87	83	83	91	86	93	96	93	93	80	74	75	82	76	74	86.9
	Minimum	52	59	62	71	68	64	60	56	64	60	62	65	60	67	70	69	68	62	64	69	69	68	71	70	65	65	69	55	61	60	55	62.9
Harrisburg*	Maximum	84	88	92	91	79	78	82	83	82	86	80	84	90	90	89	89	86	78	80	90	86	92	96	90	95	80	74	71	82	73	74	84.3
	Minimum	57	61	67	72	69	65	63	61	61	61	64	68	69	70	71	70	66	55	68	69	70	70	71	72	70	68	63	62	64	62	56	65.6
Hawley	Maximum	88	91	94	91	74	71	85	85	85	85	77	83	88	89	86	90	81	81	79	84	74	93	91	83	84	74	72	74	71	71	67	82.0
	Minimum	42	46	56	68	59	56	54	52	50	50	57	54	56	56	66	65	62	41	53	61	56	63	63	66	54	58	64	48	58	52	53	55.8
Holtwood	Maximum	88	90	94	91	88	81	82	88	86	86	82	88	91	91	92	90	87	82	84	91	88	90	95	90	97	81	77	82	84	80	74	86.8
	Minimum	60	63	67	75	73	72	64	64	64	67	66	69	70	74	77	75	74	61	72	73	75	73	74	77	73	72	66	66	70	73	66	69.8
Huntingdon	Maximum	86	91	91	89	83	87	84	86	87	88	76	86	94	94	91	90	85	84	89	89	93	92	96	89	93	82	79	70	76	74	74	86.1
	Minimum	46	48	57	69	67	60	61	59	51	57	61	62	66	60	69	70	62	48	67	66	64	66	67	65	61	65	66	63	65	59	50	60.8
Johnstown	Maximum	85	92	89	90	82	82	85	85	89	88	82	90	92	90	90	88	85	87	89	90	96	96	96	91	94	84	86	72	75	70	73	86.5
	Minimum	47	50	61	68	65	68	62	55	53	58	60	60	61	62	68	72	68	59	60	64	64	65	68	65	64	64	66	66	63	55	51	61.7
Lancaster	Maximum	87	92	91	91	83	79	84	80	82	86	84	88	92	94	94	90	93	87	83	95	91	93	96	94	93	81	76	72	80	68	80	86.4
	Minimum	50	64	58	69	66	67	62	57	52	60	62	64	62	65	71	69	66	49	63	66	66	70	67	69	64	66	64	59	62	58	52	62.2
Lawrenceville	Maximum	91	95	97	93	84	78	86	86	86	92	87	88	90	87	87	96	86	85	93	90	86	93	96	88	83	75	79	75	79	73	69	86.2
	Minimum	41	47	48	68	54	59	56	52	56	58	53	55	57	65	65	66	62	40	58	62	53	64	67	62	55	57	56	43	60	56	50	56.0
Lebanon‡	Maximum	87	90	95	95	80	74	83	86	86	88	82	88	93	94	91	91	88	82	82	91	87	94	96	91	97	78	74	72	85	75	75	86.1
	Minimum	62	57	62	73	68	66	62	58	54	61	62	68	65	68	71	71	66	50	67	67	67	69	69	69	66	66	63	59	63	69	62	63.6
Marcus Hook*	Maximum	91	95	100	96	83	77	83	84	89	86	87	92	95	94	93	91	90	87	94	92	90	94	93	98	94	78	84	86	84	78	83	89.1
	Minimum	62	68	77	73	69	62	61	63	67	68	69	70	73	74	75	72	60	69	76	73	74	72	73	74	69	64	63	64	66	60	59	68.4
Meadville	Maximum	86	89	90	86	83	78	84	87	89	86	86	87	92	92	85	91	88	80	93	86	95	94	94	93	88	76	78	83	79	71	71	85.8
	Minimum	47	51	62	69	60	61	51	54	61	64	55	53	59	69	69	67	63	44	64	64	63	70	76	67	63	61	54	58	63	53	49	60.1
Montrose	Maximum	84	90	94	87	82	74	80	84	83	85	78	83	86	87	83	87	81	77	81	80	72	88	90	79	78	72	72	71	72	68	65	80.4
	Minimum	52	56	62	69	58	57	55	55	58	57	58	60	62	62	67	67	63	44	58	64	60	66	68	66	61	54	56	53	58	53	50	69.0
Mount Pocono	Maximum	78	82	86	86	74	60	74	76	76	76	76	76	80	86	80	82	72	74	72	82	68	80	90	76	80	68	64	72	72	72	66	76.0
	Minimum	48	50	56	62	60	54	50	54	60	54	58	56	60	60	60	58	60	42	56	62	58	62	62	60	54	56	52	50	54	40	44	55.2
Philadelphia*	Maximum	85	86	92	93	83	75	76	82	83	85	81	87	90	92	88	88	90	83	84	93	84	85	93	91	95	72	76	78	79	77	74	84.5
	Minimum	64	67	67	76	68	62	62	64	65	63	68	70	69	73	73	74	69	63	67	74	72	72	70	72	70	66	66	63	64	65	68	67.6
Pittsburgh*	Maximum	82	87	87	87	84	76	82	84	88	89	83	89	92	83	88	84	80	81	88	88	98	95	95	90	93	82	82	83	74	66	71	84.9
	Minimum	57	61	68	68	67	62	59	62	65	66	63	63	66	68	71	72	63	66	67	66	72	73	72	67	65	65	63	64	60	54	61	64.4
Quakertown	Maximum	87	91	96	96	87	77	78	84	84	87	86	88	93	93	91	89	86	81	82	89	86	90	96	90	91	86	71	76	80	76	71	86.7
	Minimum	46	52	59	72	64	62	58	50	46	52	49	60	60	63	70	68	66	49	66	66	69	66	68	67	60	63	60	51	61	51	51	59.5
Reading*	Maximum	85	87	93	92	79	70	80	84	84	85	82	86	89	93	90	89	87	81	81	91	85	89	94	88	92	74	73	74	80	74	72	84.0
	Minimum	58	67	71	76	69	62	61	60	57	64	64	69	72	74	72	70	65	67	68	71	70	71	69	71	67	67	62	59	62	61	57	65.9
Ridgway‡	Maximum	84	88	89	85	82	76	83	84	85	87	80	84	88	84	88	90	77	83	88	85	91	86	91	87	89	78	79	73	78	62	71	83.1
	Minimum	42	45	52	65	56	61	54	50	48	57	54	53	53	58	62	67	60	40	55	62	60	64	64	66	66	62	56	56	62	52	48	56.1
Scranton*	Maximum	87	90	95	90	80	69	83	86	87	87	80	88	91	89	88	91	80	81	83	84	78	90	96	85	85	77	74	78	74	71	68	83.4
	Minimum	51	55	64	71	67	61	62	58	58	61	62	60	63	64	69	71	68	48	62	67	65	69	66	65	61	60	66	53	63	60	66	61.5
Selinsgrove	Maximum	85	90	92	91	86	80	84	86	85	86	81	87	92	92	91	93	91	90	85	88	85	90	96	88	91	78	74	71	76	76	74	85.6
	Minimum	48	50	52	72	64	64	61	58	55	62	63	62	65	61	70	70	69	68	64	66	62	67	70	65	63	65	64	57	64	67	52	62.3
Somerset	Maximum	77	85	83	84	78	73	78	77	82	83	78	85	87	85	85	82	79	80	82	86	92	92	89	85	89	79	83	72	72	67	67	81.2
	Minimum	37	40	52	64	62	65	55	48	48	52	56	55	58	56	67	70	67	38	65	58	67	63	64	63	59	61	61	62	62	60	48	56.5
State College	Maximum	81	87	89	86	81	72	80	81	82	84	76	84	88	89	89	87	80	79	85	85	87	87	92	85	88	77	71	68	72	65	68	81.5
	Minimum	50	56	63	72	64	64	62	57	64	62	62	61	63	63	67	69	66	47	61	70	63	68	70	69	68	64	61	60	64	55	52	62.2
Stroudsburg‡	Maximum	89	93	96	96	83	66	87	82	83	87	87	88	86	91	91	87	83	85	90	89	97	99	96	93	91	87	83	81	77	87	77	87.3
	Minimum	47	51	62	74	66	63	58	53	51	50	52	61	62	65	66	55	46	50	48	61	63	63	67	58	61	61	57	53	50	54	54	57.5
Towanda	Maximum	88	95	96	92	84	73	83	86	87	89	80	87	90	88	87	91	80	81	87	81	84	92	94	86	83	75	77	76	77	70	71	84.2
	Minimum	43	50	55	69	59	60	57	52	55	55	55	56	59	59	68	68	53	45	45	64	54	64	68	67	68	57	58	63	64	64	51	57.3
Uniontown	Maximum	85	90	88	91	86	80	84	86	90	88	87	90	92	87	92	85	87	85	86	92	99	96	96	96	96	80	86	83	78	72	74	87.3
	Minimum	50	55	65	71	67	66	60	65	65	63	63	63	62	66	73	74	72	51	64	67	70	72	73	70	69	66	68	69	65	64	52	64.8
Vandergrift*	Maximum	81	92	93	90	87	79	85	84	88	94	83	89	93	85	93	92	85	84	89	84	98	92	98	92	94	82	82	79	78	70	76	86.8
	Minimum	49	51	63	69	67	60	55	55	58	63	63	59	61	67	72	71	66	47	63	66	64	70	70	67	66	67	63	63	61	55	50	61.6
Warren	Maximum	76	80	84	85	82	83	75	83	84	83	84	82	84	87	82	90	86	73	80	89	89	88	90	87	84	84	75	76	72	70	64	81.6
	Minimum	50	52	60	70	68	63	57	57	54	65	58	58	62	65	65	68	66	48	66	67	66	69	72	70	64	64	55	57	64	64	54	61.5
Waynesburg	Maximum	86	89	89	90	86	84	86	88	88	89	88	90	93	87	91	88	86	84	88	93	101	98	96	94	96	81	87	88	84	71	74	88.2
	Minimum	47	53	66	70	65	65	54	54	61	63	63	60	61	67	72	76	69	48	66	67	64	74	75	68	70	65	66	64	65	54	60	63.3
Wellsboro	Maximum	85	92	93	90	78	71	81	83	84	87	77	80	88	84	87	90	80	75	88	86	84	85	93	85	84	80	76	75	75	66	68	82.3
	Minimum	40	55	66	67	55	58	55	50	51	56	57	51	50	54	63	61	56	39	66	66	55	63	64	62	55	54	65	45	60	52	47	55.1
Williamsport	Maximum	89	95	96	95	81	76	84	86	86	89	84	87	93	88	90	93	83	78	84	87	83	92	97	92	93	76	76	70	77	72	76	86.4
	Minimum	49	52	60	70	63	61	63	55	56	61	63	59	61	60	70	69	64	46	58	66	60	66	67	67	62	62	62	58	66	65	53	60.7
Williamstown	Maximum	82	88	91	88	85	76	83	85	87	85	83	84	89	92	90	91	87	80	81	88	87	91	91	84	81	80	79	68	74	76	77	84.0
	Minimum	56	58	60	73	62	62	58	58	57	60	58	63	65	67	70	69	66	50	63	65	66	65	64	66	61	63	68	56	54	58	51	61.3
York	Maximum	88	90	95	93	90	80	84	88	88	88	84	89	94	94	92	90	89	86	83	91	88	91	98	92	95	81	79	74	83	78	74	87.4
	Minimum	51	54	60	72	68	70	64	59	57	57	63	65	64	63	73	70	68	50	66	66	68	70	69	70	64	66	64	62	66	59	65	63.6

* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

Vol. XLI. SEPTEMBER, 1936. No. 9

GENERAL SUMMARY.

September, as a whole, was warm and dry, but with no unusual extremes. Temperatures were mostly near or above the normal until near the close of the month, when a fairly sharp drop occurred. The cool period centered on the 26th, when ight frosts occurred on valley lands in nearly all parts of the State, and when freezing temperatures were recorded at about one-third of the stations. Actual freezing was generally a matter of a few hours only, and the damage was confined chiefly to ender garden plants, while staple crops did not suffer much. The rainfall was deficient in all regions excepting a few counties n the southwestern part of the State, where showers on the last hree days were heavy enough to bring the monthly totals above he normal. However, vegetation, excepting the pastures, did not suffer much from a lack of moisture on account of good rains that soaked the top soil during the last week of August. Moderate, timely rains in September, on the 13th and 24th repectively, were sufficient to keep the crops growing. Corn developed rapidly, and cutting and shocking was fairly general by he 15th, and progressed rapidly during the remainder of the month. Good rains in August, during the earing process, were n time to save the crop, which was reported, in September, as being practically up to the ten-year average, and at a time when ts market value is far above the average. Wheat seeding began about the middle of the month, and was nearly finished at its close. The soil had enough moisture for good germination in most sections, and the outlook was favorable. The August rains timulated the growth of pastures, but the rains that followed, n September, were not heavy enough to maintain that growth, xcepting a few regions. Late cuttings of hay were short, excepting alfalfa, which was mostly fair. Truck crops, excepting weet corn and tomatoes, generally needed more rain for best results. The tomato crop was probably the largest and best ever grown in the State. Conditions also seemed to be favorable for tobacco, which was generally reported as being better han the average. A fair crop of buckwheat was harvested durng the last half of the month. The digging of late potatoes was in full swing during the last week, and a fair crop was reported.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 89 stations, was 66.5°, which is an excess of 2.2° as compared with the 49-year normal for September. The highest monthly mean was 71.5°, at Marcus Hook, and the lowest was 57.7°, at Gouldsboro. Extremes for the month ranged from a maximum of 96° at Claysville on the 15th, to a minimum of 28° at Brookville on the 3d and 26th. The greatest daily range in temperature was 48°, which occurred at Arendtsville on the 8th and at Corry on the 22d.

PRECIPITATION.

The average precipitation for the State, as determined by the reports from 142 well-distributed stations, was 2.17 inches, which is a deficiency of 1.23 inches as compared with the 49-year normal for September. The greatest monthly amount was 5.33 inches at Mt. Lebanon, while the least, 0.28 inch, was recorded at York Haven. The greatest amount recorded in any 24 consecutive hours was 3.25 inches at Clairton on the 29th.

A trace of snow was reported at Wellsboro on the 26th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	59.6	84	29	4.84	....	10	8	11	11
1889	61.9	92	30	5.05	....	13	8	8	14
1890	62.2	91	25	4.57	....	11	10	9	11
1891	66.6	94	32	2.39	....	7	17	8	5
1892	62.4	90	29	2.81	....	7	16	7	7
1893	61.2	90	26	2.67	....	8	9	12	9
1894	66.6	95	24	6.30	....	10	10	10	10
1895	67.8	100	24	1.71	....	6	16	9	5
1896	63.6	98	26	4.82	....	10	13	8	9
1897	63.8	100	24	2.18	....	5	18	7	5
1898	66.0	100	25	1.70	....	6	16	8	6
1899	61.8	93	23	4.70	....	10	12	9	9
1900	68.4	100	27	1.77	....	6	13	10	7
1901	63.6	95	29	3.39	....	9	14	7	9
1902	62.7	99	28	4.66	....	11	12	8	10
1903	63.2	94	27	2.09	....	6	17	8	5
1904	63.7	95	21	3.37	....	9	13	10	7
1905	64.0	95	27	3.41	....	7	15	9	6
1906	67.0	99	30	2.46	....	7	15	9	6
1907	64.8	95	29	6.37	....	14	8	10	12
1908	65.6	99	26	1.60	....	3	17	9	4
1909	62.8	96	26	2.27	....	6	15	9	6
1910	65.5	95	32	4.49	....	10	13	8	9
1911	64.9	92	26	5.29	....	10	13	9	8
1912	65.5	95	25	5.57	....	12	12	7	11
1913	62.4	97	24	3.28	....	8	13	7	10
1914	61.5	98	21	0.99	....	5	18	7	5
1915	66.5	96	25	2.56	....	8	16	9	5
1916	62.5	98	23	3.77	....	8	17	8	5
1917	59.0	91	25	2.31	....	6	16	9	5
1918	58.7	88	28	3.97	....	10	12	8	10
1919	64.4	96	28	2.07	....	8	16	8	6
1920	64.5	91	24	3.99	....	9	16	8	6
1921	68.9	98	31	4.68	....	11	13	9	8
1922	66.3	100	22	1.48	....	4	19	7	4
1923	64.8	92	22	3.55	....	10	13	10	7
1924	59.8	99	26	6.44	....	11	11	7	12
1925	67.5	99	24	2.80	....	8	11	12	7
1926	64.2	99	26	5.81	....	12	11	7	12
1927	64.9	97	27	2.08	....	6	18	7	5
1928	60.4	94	25	2.33	....	9	12	9	9
1929	65.7	101	24	3.71	....	9	14	8	8
1930	67.8	101	27	2.45	....	9	15	10	5
1931	69.1	104	29	3.15	....	9	16	8	6
1932	65.2	105	23	1.45	....	6	16	9	5
1933	66.3	98	32	4.66	....	12	13	8	9
1934	66.4	94	31	6.58	....	12	12	8	10
1935	62.2	95	24	3.51	....	8	15	7	8
1936	66.5	96	28	2.17	....	8	14	7	9
Period	64.3	105	21	3.40	....	9	14	9	7

Climatological Data for September, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	66.6	+1.2	90	8	36	26	34	0.87	−2.47	0.26	0	8	13	16	1	ne.	John A. Frick.
Altoona	Blair	1,615	49	64.2	+0.9	87	23	35	26	37	4.20	+1.25	2.45	0	6	17	5	8	w.	John J. Martin.
Ardmore	Montgomery	350	16	67.4	0.0	90	9	40	26	29	3.31	−0.75	1.45	0	7	10	8	12	......	H. L. Balderston.
Arendtsville	Adams	700	14	66.0	−0.2	90	8†	34	26	48	0.55	−3.54	0.25	0	5	15	2	13	n.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	66.7	......	93	23	32	26	43	1.45	......	0.79	0	6	17	3	10	s.	Charles C. Lee.
Bethlehem	Northampton	364	51	69.0	+2.0	90	8	39	26	31	1.03	−2.21	0.48	0	11	9	7	14	e.	Lehigh University.
Carlisle	Cumberland	467	70	68.6	+3.1	92	8	31	26	42	1.15	−1.57	0.45	0	7	16	4	10	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	66.6	+2.2	90	8†	33	26	40	2.13	−1.55	0.95	0	5	17	3	10	......	W. L. Gearhart.
Center Hall	Center	1,272	40	66.0	+3.6	91	16	35	26	35	2.96	+0.12	2.10	0	6	17	5	8	.....	Edward E. Bailey.
Chambersburg	Franklin	580	37	68.8	+2.4	93	8†	37	26	36	1.82	−1.15	0.69	0	8	11	10	9	ne.	William B. Spear.
Clearfield	Clearfield	1,120	29	66.0	+1.8	93	16	39	1	39	2.98	−0.33	1 07	0	7	19	4	7	nw.	E. W. Hess.
Coatesville	Chester	380	49	66.4	0.0	84	12†	37	26	33	1.19	−2.21	0.43	0	8	8	4	18	se.	Howard L. Pyle.
Colebrook	Lebanon	560	25	64.4	0.0	87	12	33	26	35	1.84	−1.43	0.58	0	8	17	2	11	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	64.0	+2.4	92	15†	32	26	40	1.20	−2.28	0.50	0	6	11	7	12	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	68.8	+2.6	92	8†	38	26	37	1.26	−2.11	0.50	0	8	12	7	11	ne.	Ira J. Keath
Freeland	Luzerne	1,970	43	63.1	+3.0	84	9	37	26	26	1.48	−2.37	0.70	0	8	9	8	13	w.	Andrew B Evansha.
George School	Bucks	190	30	68.2	+1.8	92	9	41	26	28	3.27	−0.19	2.12	0	10	13	9	8	s.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	69.2	+3.3	92	8	38	26	35	1.64	−1.95	0.71	0	7	12	7	11	s.	Dr Henry Stewart
Gordon	Schuylkill	840	32	64.6	+2.0	87	8	31	26	37	1.28	−2.75	0.46	0	5	16	5	9	e.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	57.7	+0.5	77	9	32	27	38	0.98	−2.78	0.56	0	6	20	3	7	w	Ronald H. Marshall.
Hamburg	Berks	535	43	67.6	+2.1	90	8†	36	26	34	0.86	−3.19	0.36	0	9	13	10	7	sw.	State Sanatorium.
Hanover	York	600	32	69.6	+1.7	90	8	39	26	34	0.81	−2.23	0.38	0	5	12	7	11	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	67.9	+2.1	89	8	42	26	28	2.45	−0.60	1.20	0	9	10	7	13	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	18	60.4	−1.2	84	8	29	26	37	1.89	−1.32	0.51	0	11	19	6	5	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	71.2	+1.5	91	12	47	26	27	1.08	−1.68	0.52	0	8	10	9	11	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	66.0^a	+1.2	94^a	11	34^a	26	40^a	3.04	−0.05	1.72	0	6	14	5	11	se.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	62.7	......	88	16	35	26	31	2.86	......	1.16	0	9	11	10	9	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	68.2	+2.6	92	8	35	26	36	0.94	−2.43	0.40	0	8	15	9	6	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	63.7	+1.8	92	16	31	30	42	1.47	−1.54	0.60	0	6	15	8	7	......	C. P. Darling.
Lebanon	Lebanon	469	52	67.4	+1.5	91	8	31	26	40	3.64	+0.23	1.27	0	9	19	1	10	se.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	67.2	+4.3	92	16	37	26	34	1.66	−1.42	0.92	0	6	13	9	8	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	10	71.5	+0.2	92	8	47	25	30	3.36	....	1.70	0	7	17	3	10	e.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	60.0	+1.5	84	8†	32	26	36	2.61	−1.83	1.38	0	8	12	6	12	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	63.5	+1.8	89	23	29	26	39	1.27	−2.29	0.70	0	3	20	2	8	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	67.3	+1.6	92	9	40	26	29	3.72	+0.29	2.03	0	8	16	3	11	e.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	64.6	+0.3	87	8	34	26	34	2.50	−0.79	0.85	0	9	16	7	7	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	69.5	+1.5	91	9	47	26	23	3.72	+0.58	1.87	0	10	10	8	12	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	70.2	+3.0	93	8†	36	26	39	1.92	−1.35	0.65	0	7	15	9	6	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	64.7	+0.6	90	8†	30	26	36	0.89	−3.00	0.38	0	9	13	5	12	s.	John E. Benner.
Reading	Berks	273	66	67.8	+1.5	88	8	41	26	27	1.02	−2.19	1.00	0	9	11	8	11	se.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	64.9	......	88	8†	33	26	38	1.71	......	0.76	0	5	13	8	9	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	65.4	+2.5	89	23	35	26	36	1.70	−1.47	1.01	0	7	8	12	10	n.	U. S Weather Bureau
Selinsgrove	Snyder	455	46	67.0	+2.0	89	8	32	26	44	2.14	−1.17	0.84	0	7	8	13	9	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	69.2	+0.7	89	12†	42	26	28	2.16	−1.00	1.06	0	8	8	12	10	s.	W. S. Guiles.
Shippensburg	Cumberland	660	3	68.2	......	89	8†	37	26	34	1.38	......	0.56	0	6	9	7	14	sw.	State Teachers College
State College	Center	1,217	52	64.8	+1.9	88	23	34	26	40	2.84	−0.06	1.62	0	7	11	11	8	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	64.0	+1.2	89	10	33	26	41	1.06	−2.42	0.43	0	7	15	4	11	w.	State Normal School.
Towanda	Bradford	754	42	63.7	+1.3	92	23	31	26	43	1.59	−1.60	0.55	0	8	12	7	11	w.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	61.8	+1.9	90	16	29	26	37	1.74	−1.21	1.09	T.	4	22	5	3	w.	George W. Hill.
West Chester	Chester	455	87	67.8	+2.2	90	8	40	26	33	1.94	−1.58	0.80	0	11	13	2	15	sw.	Harlan Saylor.
Williamsport	Lycoming	521	50	66.3	+1.7	91	8†	35	26	37	1.20	−1.84	0.62	0	8	14	3	13	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	21	66.9	+2.0	88	8	38	26	30	1.67	−2.42	0.62	0	6	13	10	7	se.	Susquehanna Collieries Co
York	York	400	48	68.4	+1.9	91	8	32	26	41	0.57	−2.46	0.32	0	7	15	8	7	s.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	46	61.2	+0.5	91	16†	28	3†	46	1.61	−1.52	0.51	0	10	7	10	13	......	Frank S. Fawcett.
Butler	Butler	1,077	23	66.8	+2.1	94	15	34	26	42	4.28	+0.82	2.07	0	9	17	8	5	nw.	William C. Faust.
Chambersville	Indiana	1,047	35	65.2	+0.3	90	16†	37	26	40	3.46	−0.19	1.65	0	8	19	3	8	sw.	John E. Lewis.
Clairton	Allegheny	1,020	4	67.0	......	89	16†	42	25	32	4.14	......	3.25	0	8	10	8	12	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	69.7	+1.4	96	15	41	19†	42	1.39	−1.85	0.49	0	8	23	2	5	w.	J. L. Melvin.
Corry	Erie	1,430	23	65.4	+4.2	94	15	30	30	48	1.10	−2.61	0.65	0	5	23	5	2	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	67.8	+2.2	91	15†	41	26	34	2.93	−0.21	1.21	0	9	15	9	6	w.	Ted R. Wineman.
Donora	Washington	762	10	70.5	+1.6	93	16	48	26	33	1.29	−1.34	0.32	0	9	11	14	5	s.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	64.8	+3.6	88	23	39	25†	33	4.87	+1.37	3.23	0	7	21	3	6	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	62.6	+2.2	90	16	37	25	44	2.48	−0.43	0.50	0	6	18	6	6	w.	J. S. Stevanus.
Franklin	Venango	957	62	65.1	+2.1	93	10	35	26	44	1.85	−1.54	0.60	0	9	14	3	13	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	68.7	+3.1	92	16	44	25	35	3.65	+0.73	1.51	0	10	10	15	5	w.	Westmoreland Water Co.
Greenville	Mercer	950	40	67.5	+4.1	94	15	39	26	44	2.32	−0.97	0.96	0	8	16	5	9	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	66.2	+2.7	90	15	40	25	34	1.78	−1.73	0.41	0	11	15	5	10	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	68.2	+3.4	91	15†	37	26	40	4.69	+1.94	2.55	0	11	21	6	3	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	67.4	+1.6	93	16†	37	26	45	4.14	+0.90	0.99	0	11	16	6	8	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	4	63.2	......	89	15	35	26	35	2.31	......	1.45	0	6	18	8	4	sw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	44	68.0	+1.2	88	23	44	25	29	2.74	−0.54	0.67	0	7	4	18	8	w.	Westmoreland Water Co.
Meadville	Crawford	1.080	42	67.1	+4.8	92	15	38	25†	39	2.57	−1.13	1.01	0	8	12	7	11	sw.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	68.0	......	93	16	40	29	34	2.45	......	1.48	0	7	18	5	7	nw.	Perry P. Campbell
New Castle	Lawrence	808	56	66.6	+2.2	94	16	37	26	34	2.21	−0.80	0.95	0	12	13	12	5	nw.	New Castle Water Co.
Newell	Fayette	800	16	69.0	+1.4	93	24	40	26†	40	0.58	−2.10	0.30	0	5	18	4	8	ne.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	67.8	+1.4	91	23	45	25	30	4.93	+2.35	3.01	0	8	10	13	7	s	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	62.7	+2.3	91	16	31	26	43	1.47	−1.52	0.50	0	9	13	6	11	s.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	23	68.7	+3.8	94	11†	40	26	40	1.95	−0.75	0.59	0	9	16	9	5	se	Harry H. Gerber.
Somerset	Somerset	2,190	69	62.5	+1.5	88	15	33	26	38	3.17	−0.43	0.80	0	12	10	12	8	sw.	D. L. Grove.
Uniontown	Fayette	1,100	48	70.1	+5.0	95	23	47	19†	41	1.86	−1.44	0.54	0	9	17	8	5	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	67.8	+2.1	93	8†	38	26	39	3.76	+0.64	1.84	0	9	21	6	3	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	47	64.2	+1.9	89	15	39	30	30	0.93	−2.76	0.50	0	6	18	6	6	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	69.6	......	94	15	39	26	42	1.65	......	0.44	0	8	4	21	5	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	66.8	+3.2	92	15	39	30	26	1.52	−1.87	0.88	0	5	17	7	6	s.	U. S. Weather Bureau.
For the State		......	49	66.5	+2.2	96	15	28	3†	48	2.17	−1.23	3.25	0	8	14	7	9	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-9-30-36-1050.

Daily Precipitation for September, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh			.13					T.					.26			.05		T.	.02		.09				.08			T.	.04	.20		0.87
Altoona	Juniata		.30	T.										.53											.17				.09	2.45	.66		4.20
Ansonia||||	W. Br. Susq		.01	.03				.01									.79	.29							.02	.19			.08	.11			1.53
Ardmore	Lower Del		.22														.08		1.45		.36				.07			T.		.11	1.02		3.31
Arendtsville	Lower Susq			.15						.25												.09		.02							.04		0.55
Baker's Summit	Juniata	.02	.44	.02										.13	.65										.50					.08	.66		2.50
Bedford	Juniata		.17										T.	.25	.05						.03				.16				T	T.	.79		1.45
Bellefonte	W. Br. Susq		.09										T.	.05				.02			T.				.15				.01	1.52	.50		2.34
Bethlehem	Lehigh		T.	.06				.01						.21		.01			.04		.03	.05			.05	.01				.08	.48		1.03
Bloserville‡‡	Lower Susq		.05											.32							.05									.10	1.52		2.04
Buffalo Mills||||	Juniata			.27										.58		.28										.26					.29		1.68
Carlisle	Lower Susq		T.	.21					.11					.21	T.	T.			.02		.04				.11					T.	.45		1.15
Catawissa	N. Br. Susq							T.					T.						.04		.02		T.			.32			T.	.95	.80		2.13
Center Hall	Susquehanna	.10	.18											.12											.24					.22	2.10		2.96
Chambersburg	Potomac		.12	.08					.60				.05	.09							.07				.12						.69		1.82
Clearfield	W. Br. Susq		.05										T.	.14	T.			.02							.41				1.07	.22	1.07		2.98
Coatesville	Lower Del			.08					.30							.10			.07		.18	.01			.02						.43		1.19
Colebrook	Lower Susq		.10	.09					.43					.02		.43			T.		.03	T.			.16					T.	.58		1.84
Conshohocken	Schuylkill			.11						.25						T.			.86	.23	T.	.77			T.	T.				.03	.78		3.03
Doylestown	Lower Del			.08										.10		T			1.04	.42		.03			.03					.02	.52		2.24
Emporium	W. Br. Susq												.01					.31					.01		.50					.31	.06		1.20
Ephrata	Lower Susq			.24					.12					.02		.26			.01		T.	.01			.10					T.	.50		1.26
Forest City	N. Br. Susq	T.												.13		.71		T.		.12					.43				T.		.26		1.65
Freeland||||	Lehigh	T.	T											T.			.05			.14	.01	.06				.27		T.	.15	.10	.70		1.48
Galeton	W. Br. Susq	T.	.01					T.					T.			.59	.30	.05							.27			.05	T.	.15	.10		1.52
eorge School	Lower Del		T.	.09	T.								.01	.06		.01			.87	1.25	T	.51	.02	T.	T.	.02					.43		3.27
ettysburg	Potomac		.01	.16					.71					.02					T.		.03				.09						.62		1.64
irardville||||	Lower Susq		.09					.01						T.				T.	.10		.02				.20				.03	.91	48	20	2.04 1.84
ordon	Lower Susq			.20				T.						T.							T.	.02			.16					.46	.44		1.28
ouldsboro‖	Lehigh															.07				.10						.14			.03	.08	.56		0.98
raterford	Schuylkill			.06						.32				.01					.06	.39	.11	.28			.03	.24					.24		1.74
Hamburg	Schuylkill			.22									.03			T.					.01	.02			.13	.01		.02	T.	.06	.36		0.86
Hanover	Lower Susq			.18					.18												.03				.04						.38		0.81
Harrisburg***	Lower Susq		.62	.08					.31				T.	.12		T.			T.		.02				.10				.03	.04	1.13		2.45
Hawley||||	Upper Del	.02	.12						.05	.26				.01		.51				.19						.18			.08	.03	.44		1.89
Hollisterville	Upper Del	.02							.01	.42			T.	.14		.02	.15	.02	T.	.18		.01				.18		T.	.09	T.	.51		1.75
Holtwood‖	Lower Susq			.10									.05	.03		.05		.01			.20	.12			T.					T.	.52		1.08
Huntingdon	Juniata			.17										.44								.05			.21					1.72	.45		3.04
Hyndman	Potomac																																......
Kylertown***	W. B. Susq		.07											.05	T.		T.	.01						.32	.24			.02	.04	1.17	.94		2.86
akeville||||	Upper Del		.10						.05							.50			.11						T.	.35			.10	T.	.60		1.81
ancaster	Lower Susq			.18					.02					.01		.21					.06	.02			.04						.40		0.94
ansford||||	Lehigh			.08						T.							.11	.06		.17		.08				.15					.64		1.29
awrenceville	N. Br. Susq		.15					.10							T.	.20	T.	.60							.30				T.	T.	.12		1.47
ebanon	Lower Susq		.25						1.17					.05	.40	.26			T.		.03				.18			T.	T.	.03	1.27		3.64
ehighton||||	Lehigh									.25								T.	T.			.35				.20			T.	T.	.62		1.42
ock Haven	W. Br. Susq		.01											.01				.22							.29					.92	.21		1.66
Marcus Hook	Lower Del			.18						.27									*	1.70		1.00			.02						.19		3.36
Matamoras||||	Lower Dela			.18						.29						.59		.10		.20		.02				.12					.73		2.23
Mauch Chunk	Upper Del																																......
Montrose	Lehigh	.02														.16									.42				.05	.06	.22		0.93
Morris Run	Susquehanna															.02	.08	.32							.38				.10	.20	.84		1.94
Mount Pocono	N. Br. Susq		.04												.16				.25	.21	.05				.16					1.38	.36		2.61
Muncy Valley	Upper Del		T.													T.			T.						.34			T.		.70	.23		1.27
eshaminy||||	W. Br. Susq		.02	.13									T.						2.03		.26	.42			.07					.07	.72		3.72
ew Park	Lower Del		.18											.10		.10			T.		.24		.04								.60		1.26
ewport||||	Lower Susq			.02										.05	.15					.08		.05				.05				.10	.35		0.85
almerton‡	Juniata		.10	.08					.57							.11			.03		.27				.14					.35	.85		2.50
aupack||||	Lehigh	.05	.05											.15		.65				.10						.10				.07	.48		1.65
hiladelphia***	Upper Del		.03	.04					.29					T.		.02			1.06		.62	.12			.01					.13	1.35		3.72
hila. Navy Yard||||	Lower Del			.32						.12							T.		.04	1.56		.76				.04			T.	.14	1.30		4.28
hila-P'nt Breeze.‡	Lower Del		*	.16					.30	.03			T.	.01		.01			1.49		.86		T.					T		.62	1.00		4.48
hoenixville	Schuylkill	T		.07					.40					T.		T.			22	.65		.07			T.	.06				T.	.45		1.92
ine Grove	Lower Susq		.24	.20										.06		.72			T.		.05			T.	.15				.02	.27	1.05		2.76
leasant Mt.||||	Upper Del	.03											10			.78			.16						.45			.08		.22	1.48		3.30
ottstown	Schuylkill		.07	.06					.20				T.			.02			.06		T.	T.		T.	.04			T.	T.	.02	.53		1.00
ottsville	Schuylkill		T.	.30					.12						T.	T	T.	.04	.03		.07	T			.14	T.		T.		.24	.53		1.47
uakertown	Lower Del			.04										.18		.04			.04	.12	T.	.02			.05					.02	.38		0.89
eading***	Schuylkill		.08	.05					.19				T.	.04		.01			.08		T.	T.		T.	.03			T.	T.	.03	.51		1.02
enovo.||||	W. Br. Susq			.02												.26		.15								.35			.01	.08	.54		1.41
etreat	N. Br. Susq												T.						.33						.30				.03	.76	.29		1.71
cranton***	do	T.	T.					T.	T.				.04		T.	.15		T.	.09		T.				.16			T.	.06	.53	.67		1.70
elinsgrove	Lower Susq		.36											.02		.32			.08						.10					.84	.52		2.14
hawmont	Schuylkill			.15						.02						.05			.63	.43		.34			T	.06				T.	.48		2.16
hippensburg	Lower Susq			.03					.35					.28							.10		T.		.06						.56		1.38
tate College	W. Br. Susq		.12	T.										.28			.02	T				.01			.19				T.	1.62	.60		2.84
troudsburg||||	Upper Del															.17		.01		.11		.06				.19			.09	.43			1.06
unbury||||	Lower Susq	T.		.48										T.	T	.28				.07		T				.09			.18	1.24			2.34
usquehanna||||	N. Br. Susq	.06	.27	T.				.06		T						.51	.18	.06								.29				.06	.03		1.52
owanda	do	T.	T.					T.					.08		T	.02	.55	.02							.37	T.		T	.03	.13	.39		1.59
eikert	Lower Susq		.07										.13												.16					1.53	.54		2.43
ellsboro	W. Br. Susq	T	T.													T	1.09								.22		T.		T.	.14	.29		1.74
est Chester	Lower Del			.08					T	.06			T.			T.			.76	.04	.21	.25	.01	.01	.01	.03				T	.48		1.94
estgrove||||	do			.09						.01				.09			.05		T.	.36		.10					.04				.10		1.14
ilkes-Barre||||	N. Br. Susq			.08										T			.33			.12						.28			.03	.07	.74		1.65
illiamsport||||	W. Br. Susq	.01		.10									.13		T.			.01				T				.18			.04	.11	.62		1.20
illiamstown	Susquehanna		T	.13										.04		.62			T			T			.16				T.	.24	.48		1.67
ork	Lower Susq		T	.09				.02	.02					07					T.		.03				.02						.32		0.57
ork Haven||||	Lower Susq			.12										T.								.03				.08					.05		0.28
ionsville..(near)	Schuylkill			.08										.33		.20		T.	T		.03	.13			.04	.02				.04	.40		1.27
renton, N. J***	Lower Del		.01	.03									.02			T.			2.38		.93	.01			.03				T.	.04	.84		4.29

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Daily Precipitation for September, 1936—Continued from page 43

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver		T.	.11					.05					1.02	.02		.06	T.					.35		.04	.10			.18	.74	.69		3.36
Bradford	Allegheny		T.										.06				.06	.36							.73				.27				1.48
Brookville‖‖	....do	.08		.06				.02	.02					.04				*							.11	.34			.16	.27	.51		1.61
Butler	Ohio		.03	.06							T.			1.16			.30					.06			.40				.15	2.07	.05		4.28
Chambersville	Allegheny		.05	.02				T.						.61	.08										.68				.20	1.65	.17		3.46
Clairton‡	Monongahela		.14	.02									.08		T.						.02	.02			.18				T.	3.25	.43		4.14
Claysville	Ohio		.15	.03										.21				T.			.01				.16				.09	.49	.25		1.39
Confluence‖‖	Youghiogheny			.63	T.									.50		.15									.06	.35			.10		.10		1.89
Corry	Allegheny		.05													.07	.31				.02				.65								1.10
Derry	Conemaugh		.13	.11							T.		.09	.82							.03	T.			.18				.13	1.21	.23		2.93
Donora‖‖	Monongahela		.02	.32										.09		.03					.02				.15	T.			.08	.31	.27		1.29
Ebensburg	Conemaugh		.21	.06								.02		.55											.58					3.23	.22		4.87
Elk Lick	Youghiogheny		.62										.04	.42	.40										.50					.50			2.48
Franklin‖‖	Allegheny													.08		.31	.02	.58							.16	.31			.18	.12	.10		1.85
Greensboro‖‖	Monongahela	.01		.34										.03				T.			T.	.04			T.	.31			.24	T.	.10		1.07
Greensburg	Youghiogheny		.24	.07									.64	.42	.12						T.	.09			.15				.13	1.51	.28		3.65
Greenville	Beaver	.04	.02										T.	.12	.06		.75								.96				.27	.10			2.32
Grove City	....do	.01	.04	.03										.39	.03	.14	.15							.11	.41			T.	.16	.31	T.		1.78
Herrs Isl. Dam‖‖	Ohio			.02										.50	.02			.02			T.		T.		.06	.12			.03	1.06	1.16		2.99
Irwin	Monongahela		.32	.04									.65	.25	.05						.02	.20			.17				.08	2.55	.36		4.69
Johnstown	Conemaugh		.25								T.	.13	.28	.77	.09						.03	.03			.52				.16	.99	.89		4.14
Kane (near) ‡‡	Allegheny		.03														T.	.30						.19	1.45				.18	.16			2.31
Kregar‖‖	Youghiogheny		.28										.32	.47	.02		T.	.04			.04	T.		.27	.34			.19	.07	.14	.46		2 64
Lake Lynn‖‖	Monongahela			.44															.02							.35			.36	.04	.12		1.33
Linesville‖‖	Beaver	.04	.03										.03	.02	.37	.06										1.40			.46	.07	.19		2.67
Lock No 2‖‖	Ohio			.15										.45				T.					.05			.18			.08	.75	.85		2.51
Lock No. 4‖‖	Monongahela			.29										.09		.46					.03	.02			.04	.16			.10	.16	.30		1.65
Lock No. 6‡‡‖‖	Allegheny		T.	.23										.92	T.			.01							.04	.54			.09	.75	.93		3.51
Lycippus	Conemaugh		.21										.20	.67	T.				T.			T.			.25				.21	.60	.60		2.74
McKeesport‖‖	Monongahela			.11										.73							T				T.	.08			T.	.83	2.83		4.58
Meadville	Allegheny	.02							.04				T.		.64			.45							1.01				.36	.03	.02		2.57
Midland	Ohio			.08										.46				.02				.02			T.	.20			.19	1.48	T.		2.45
Mosgrove‖‖	Allegheny	.05		.15										.40	T.	T.		.28					T.		.02	.23			.08	.67	.97		2.85
Mount Lebanon	Ohio		.18										.34	.93								T.			.25				.10	3.19	.34		5.33
Natrona‖‖	Allegheny	.01	T.	.19										.63	.04			T.			T.		.04		.04	.46			.06	.78	.90		3.15
New Castle‖‖	Beaver	T	.01	.08									T.	.95	.02	.01	.01	.20			T.		.01			.08	T.		.15	.57	.12		2 21
Newell	Monongahela										.03			.30	.10												T.			.05	.10		0.58
Parkers Landing‖‖	Allegheny	T.	T.	T.								.55		.32	T.	T.		.10							.20	.28			.12	.28	42		2.27
Pennline‖‖‡‡	Beaver	.10	T.	T.												.41	1.21	36						.65	.70				.10				3 53
Pittsburgh***	Ohio		.19	T.					T.				.38	.83	T.		T.	T.			T.	.01		T.	.16			T.	.05	3.00	.31		4.93
Punxsutawney‖‖	Allegheny	T.		.15										.39	.11								T		.16	.33			.12	.64	.83		2.73
Ridgway	....do	T.		.10										.06	T.	.08		.30							.04	.46			.12	.12	.19		1.47
Saltsburg‖‖	Conemaugh																				.05				.15	.20			.10	1.19	1.29		§2.98
Sharon‖‖	Beaver		.03	.05												.55			.55						.25	.34			.08	.07	.03		1.95
Smethport‖‖	Allegheny																.73								.28	.66				T.	T.		1.67
Somerset	Youghiogheny		.28	.12							.44		.17	.25	.80			.01			.03				.45				.05	.07	.50		3.17
Springdale‖‖‡‡	Allegheny			.13										.71							T		.12		.06	.34			.05	.95	1.13		3.49
Uniontown	Monongahela		.26	.11					.02					.54							.03				.34				.30	.06	.20		1.86
Unity Reservoir‡‡	Youghiogheny		.27	.04									.64	.33	.21						.04	.05			.19				.18	.97	.22		3.14
Vandergrift‡	Conemaugh		.19											.68	.01									.01	.49			.01	.12	1.84	.41		3.76
Warren	Allegheny		.03													.02	.10	.16							.50				.12				0.93
Waynesburg	Monongahela		.36	.08										.17							.06				.20				.13	.31	.34		1.65
Westford‖‖	Beaver														.03		.86								.92			.45	.08		.20		2.54
West Newton‖‖	Youghiogheny			.28										.09	T.						T.	T.		T	.04	.13			.06	.20	.29		1.09
Lake Drainage.																																	
Erie***	Lake Erie	T.	T.					T.					.01	T.	T.		.10							T.	.88			.48	T.		.05		1.52

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.06	30.41	17	29.61	24	12.7	32	se.	30	74	66	70	55
Harrisburg	30.08	30.44	26	29.65	24	6.8	24	w.	8	79	60	65	49
Philadelphia	30.10	30.44	26	29.61	18	12.2	42	n.	18	79	59	72	56
Pittsburgh	30 06	30.30	17	29.71	24	9.4	34	nw.	12	82	54	62	75
Reading	30.09	30.46	26	29.67	24	10.1	43	ne.	18	79	60	69	50
Scranton	30.10	30.44	26	29.64	24	6.1	20	nw.	28	78	53	67	63

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	1.9	2.9	1	1.2	29	18
Phillipsburg	Delaware	0.7	1.3	1	0.0	7	22
Lehighton	Lehigh	2.0	2.2	19	2.0	4	7
Wilkes-Barre	Susquehanna	1.7	2.2	1	1.5	18	20
Williamsport	Susquehanna	0.6	2.0	1	0.2	26	20
Harrisburg	Susquehanna	3.2	3.6	2	3.0	20	18
Greensboro	Monongahela	10.4	11.5	3	9.2	29	30
West Newton	Youghiogheny	0.4	1.8	1	0.0	19	20
Lock No. 4	Monongahela	10.6	11.2	1	10.2	24	30
Pittsburgh	Ohio	......	11.7*	1	9.5*	26	25
Midland	Ohio	......	10.2*	1	9.1*	10	30

* —Pool stage.

Daily Temperatures for September, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	76	66	76	75	74	76	86	85	84	80	85	82	75	70	83	84	76	68	76	71	82	84	87	75	65	66	82	75	58	47	....	75.6
	Minimum	46	58	58	48	46	48	55	63	56	57	57	61	61	64	60	63	59	51	46	46	51	58	59	55	41	35	45	56	44	43	....	62.9
Bedford	Maximum	79	76	78	78	79	80	87	89	87	86	89	88	80	75	88	91	86	74	76	76	84	86	93	82	63	71	86	78	63	52	....	79.9
	Minimum	45	52	60	53	49	47	66	60	69	59	60	61	66	64	59	61	62	64	46	46	57	56	55	69	44	32	42	49	48	46	....	53.5
Bethlehem	Maximum	78	78	83	82	79	79	82	90	89	88	88	88	87	78	71	86	86	76	84	82	82	87	86	80	68	70	77	75	66	61	....	79.8
	Minimum	65	60	61	66	56	66	54	66	66	61	63	68	68	59	62	63	66	66	56	62	63	61	65	62	48	39	47	62	47	45	....	58.1
Brookville	Maximum	70	71	74	79	79	80	82	86	87	75	86	87	88	90	76	91	91	73	74	79	82	79	86	91	65	65	73	81	64	48	....	78.4
	Minimum	36	32	28	42	40	43	42	59	47	49	50	52	53	54	56	69	64	38	35	38	43	42	42	50	40	28	38	60	42	42	....	44.1
Butler	Maximum	75	75	80	82	88	89	88	87	86	89	92	82	84	83	94	92	90	76	77	82	80	87	92	91	65	76	82	80	63	51	....	81.9
	Minimum	40	57	61	49	61	54	54	53	64	56	60	62	66	67	64	66	52	44	39	49	50	51	67	56	41	34	45	42	40	45	....	51.6
Carlisle	Maximum	82	78	80	80	80	80	86	92	91	88	83	91	84	76	78	88	85	75	82	78	90	91	86	84	68	73	80	78	70	54	....	81.0
	Minimum	47	56	60	52	52	54	48	60	58	61	62	63	66	64	66	61	64	61	68	47	56	62	60	60	46	31	52	64	50	47	....	56.8
Catawissa	Maximum	78	72	82	80	81	82	86	90	90	86	84	83	86	79	72	88	83	76	84	72	85	87	88	74	67	73	79	72	64	52	....	79.2
	Minimum	48	53	53	46	47	50	57	56	60	55	58	61	63	63	65	65	60	52	60	46	58	63	64	56	47	33	53	54	45	45	....	53.9
Chambersburg	Maximum	83	76	78	80	80	79	88	93	91	89	85	93	85	75	83	89	80	72	80	70	87	91	90	77	71	73	86	76	66	62	....	80.6
	Minimum	48	56	60	56	60	53	54	62	69	63	64	63	67	65	64	61	64	60	56	61	64	60	60	60	46	37	49	64	49	47	....	57.1
Chambersville	Maximum	79	71	75	76	79	80	86	87	86	83	88	85	78	80	89	90	80	68	78	79	82	85	90	77	62	71	82	76	61	55	....	78.6
	Minimum	41	53	57	48	48	51	61	65	53	56	56	64	62	63	61	63	55	45	38	49	52	50	55	51	39	37	49	51	43	42	....	51.9
Claysville	Maximum	83	80	76	78	83	86	88	90	89	91	94	90	86	88	96	94	90	77	79	84	86	90	95	90	66	83	87	80	60	62	....	84.0
	Minimum	47	60	59	51	52	54	65	68	57	56	54	67	67	70	66	68	68	45	41	50	55	54	58	56	46	41	51	54	47	46	....	55.4
Clearfield	Maximum	74	66	78	80	78	68	82	86	88	85	90	85	81	76	92	93	82	71	82	78	83	88	84	78	76	77	85	70	64	71	....	79.7
	Minimum	39	51	46	43	46	51	60	60	52	58	59	62	62	62	68	61	51	44	48	46	62	60	65	46	48	62	46	43	40	45	....	52.2
Coatesville	Maximum	79	77	80	79	79	79	82	82	82	83	78	84	80	77	75	84	78	69	79	71	80	82	81	79	64	70	76	72	60	62	....	76.4
	Minimum	51	57	54	54	51	52	53	65	66	62	61	67	67	56	62	61	60	57	58	62	62	62	65	60	46	37	44	59	49	46	....	56.5
Corry	Maximum	79	75	79	80	85	82	85	88	85	84	88	87	89	90	94	91	87	85	81	76	81	89	89	83	70	72	71	75	78	50	....	81.6
	Minimum	42	43	48	56	54	52	49	45	47	49	52	64	67	61	63	66	61	63	54	38	40	41	51	52	38	40	37	36	33	30	....	49.1
Emporium	Maximum	74	72	80	79	80	81	85	87	87	86	89	83	77	76	92	92	78	74	80	79	80	86	89	72	76	72	74	72	60	49	....	78.7
	Minimum	45	52	55	43	45	48	59	60	53	51	57	59	62	64	60	63	55	36	40	40	53	47	52	54	40	32	36	36	43	41	....	49.4
Erie*	Maximum	72	73	70	73	78	83	89	79	80	81	89	80	75	82	92	87	63	67	68	76	75	80	92	72	55	74	79	58	53	56	....	75.0
	Minimum	56	59	57	56	58	62	72	69	62	67	65	70	68	69	70	62	55	51	55	58	60	59	67	48	46	48	56	52	43	39	....	58.6
Franklin‡	Maximum	80	69	80	81	82	83	89	88	90	93	90	88	75	79	91	92	74	79	84	79	83	89	92	67	70	75	79	65	51	58	....	79.8
	Minimum	44	46	56	47	46	51	56	67	55	54	55	58	63	64	60	63	51	40	40	43	49	48	50	54	41	36	40	51	43	41	....	60.4
Freeland	Maximum	71	68	76	73	73	70	79	83	84	80	77	80	82	66	63	81	77	65	77	64	80	83	78	71	64	63	69	68	53	46	....	72.1
	Minimum	48	60	55	51	50	52	55	63	62	60	60	65	65	55	56	60	57	52	52	51	60	66	62	51	41	37	46	51	40	40	....	54.1
Gettysburg	Maximum	82	78	78	80	80	78	82	92	89	85	82	91	84	77	77	85	81	73	81	73	88	90	89	81	69	73	80	77	69	55	....	80.0
	Minimum	52	60	61	57	51	53	55	63	62	65	64	68	69	65	65	60	62	62	58	52	63	60	63	60	45	38	53	67	52	48	. . .	68.4
Greensburg	Maximum	80	76	76	79	84	85	87	87	88	84	91	85	85	79	91	92	83	69	77	80	83	87	91	86	65	77	85	77	59	57	....	80.8
	Minimum	50	49	60	55	51	55	66	66	60	60	60	67	62	68	64	69	58	48	46	53	58	56	59	54	44	64	50	55	46	47	....	56.6
Grove City	Maximum	77	76	77	75	77	81	84	85	87	88	89	84	75	80	90	87	70	76	74	79	79	85	89	74	64	73	79	76	56	55	....	78.0
	Minimum	48	60	56	50	52	56	65	68	57	60	55	65	63	65	63	68	52	44	43	52	54	56	61	51	40	42	52	51	43	43	....	54.5
Hamburg	Maximum	80	73	81	79	79	79	82	90	90	85	80	90	82	75	73	87	79	74	80	69	84	88	82	78	67	70	78	73	63	50	....	78.0
	Minimum	51	56	61	52	56	53	53	61	66	60	61	68	67	60	62	62	64	57	60	56	63	59	62	60	47	36	49	62	46	46	....	57.2
Harrisburg*	Maximum	79	74	80	80	77	76	82	89	88	83	78	88	80	76	75	85	77	67	78	67	85	85	85	72	65	70	78	73	55	52	....	76.6
	Minimum	54	61	61	57	55	58	58	65	66	66	65	70	69	64	65	64	66	62	58	56	64	60	64	56	48	42	54	55	48	47	....	69.2
Hawley	Maximum	74	70	76	74	74	75	81	84	82	80	81	82	75	71	63	83	74	62	72	63	77	79	81	69	62	66	69	68	52	49	....	72.3
	Minimum	41	52	53	41	41	44	47	59	56	50	51	57	59	49	55	59	60	50	51	40	56	46	44	65	42	29	38	52	42	37	....	48.5
Holtwood	Maximum	80	78	79	77	80	79	86	89	84	82	79	91	83	79	79	86	79	73	77	74	78	83	80	82	67	67	78	73	66	65	....	78.1
	Minimum	61	64	68	64	62	61	59	68	72	68	70	70	72	66	71	71	69	61	65	63	69	68	70	66	55	47	56	66	55	51	....	64.3
Huntingdon	Maximum	75	79	80	79	80	80	89	89	88	84	94	84	76	74	87	. .	90	71	80	69	86	87	91	75	71	71	85	80	56	49	....	79.3*
	Minimum	41	46	59	50	42	48	56	57	55	61	62	62	62	63	66	....	60	54	47	45	56	56	56	53	40	34	45	56	46	46	....	52.6*
Johnstown	Maximum	80	68	82	81	80	82	87	88	89	87	91	86	86	74	92	93	80	69	80	80	85	86	93	74	67	72	87	70	61	52	....	80.1
	Minimum	45	54	58	54	49	50	48	63	58	68	69	62	66	64	61	63	61	51	47	49	53	57	59	55	45	37	42	56	47	47	....	54.6
Lancaster	Maximum	82	80	82	82	82	79	86	92	89	87	84	91	86	84	67	86	83	79	84	77	84	87	82	81	73	71	78	79	66	57	....	81.0
	Minimum	46	54	61	51	50	52	51	58	59	59	58	64	64	58	62	60	59	63	55	49	63	57	62	60	45	35	42	64	51	47	....	55.3
Lawrenceville	Maximum	77	75	72	78	80	75	87	88	86	86	87	83	78	73	88	92	83	72	76	74	82	85	90	78	64	71	79	74	54	51	....	77.9
	Minimum	41	52	52	42	45	45	59	64	51	53	54	65	62	56	63	65	56	41	42	41	50	43	50	54	38	32	48	50	39	31	....	49.5
Lebanon‡	Maximum	81	74	82	80	79	79	83	91	90	83	78	90	82	79	72	87	80	65	80	68	84	88	83	78	65	71	80	73	54	54	...	77.8
	Minimum	48	55	62	52	56	56	52	61	61	64	63	68	67	62	62	62	63	63	59	55	60	59	59	61	47	31	49	54	48	47	....	56.9
Marcus Hook*	Maximum	81	80	80	78	80	86	90	92	89	82	91	90	77	77	88	85	76	82	82	79	82	83	85	81	71	73	79	75	60	73	....	80.9
	Minimum	66	64	60	58	59	60	70	70	67	66	71	71	62	65	67	66	58	60	60	65	67	65	65	51	47	56	71	54	49	54	....	62.1
Meadville	Maximum	81	80	77	79	82	83	87	87	86	89	91	87	77	81	92	90	79	77	79	82	79	85	91	89	61	74	79	77	56	55	....	80.4
	Minimum	46	60	56	46	49	56	68	67	55	55	53	69	65	67	65	70	51	43	40	52	54	49	58	54	38	39	54	51	45	38	....	53.8
Montrose	Maximum	70	70	71	71	73	74	80	83	77	81	81	80	75	72	69	85	75	62	71	64	80	80	87	74	55	67	68	70	48	51	...	72.1
	Minimum	45	54	54	46	48	52	54	65	58	56	60	63	61	54	57	62	55	48	49	50	53	51	58	51	40	35	47	47	38	35	....	51.5
Mount Pocono	Maximum	74	70	75	72	73	74	76	84	84	78	78	84	78	68	72	74	66	60	62	62	70	72	74	65	61	68	68	71	52	43	....	70.1
	Minimum	42	51	50	46	48	46	48	52	58	54	56	60	58	48	58	60	54	48	48	50	50	52	55	60	40	32	44	50	38	37	....	49.8
Philadelphia*	Maximum	79	78	80	79	77	77	81	88	91	84	82	88	81	75	73	84	83	70	81	70	78	83	84	83	69	68	75	76	59	56	....	77.7
	Minimum	62	63	63	62	61	60	60	68	71	69	63	69	68	63	63	67	66	58	63	60	65	65	64	60	51	47	56	57	48	47	....	61.3
Pittsburgh*	Maximum	79	68	74	77	78	80	85	85	86	84	89	85	82	79	91	90	73	72	74	80	81	86	91	73	62	75	83	68	51	57	....	77.9
	Minimum	54	58	60	56	56	58	64	68	63	63	62	68	66	67	65	69	56	48	50	57	58	61	65	49	45	47	53	51	46	46	....	57.6
Quakertown	Maximum	76	73	78	77	75	77	81	90	89	83	81	90	83	74	70	84	79	72	77	71	77	82	80	78	69	62	75	73	63	50	....	76.3
	Minimum	45	54	60	49	45	50	51	61	58	54	55	66	64	51	60	62	50	56	56	46	51	60	60	60	46	30	39	61	47	45	....	53.1
Reading*	Maximum	77	73	80	77	78	75	82	88	87	84	76	87	80	83	74	84	77	67	80	67	82	85	81	78	66	68	76	71	54	52	....	76.0
	Minimum	56	63	62	58	55	58	59	70	68	64	64	70	67	61	63	66	67	58	61	57	64	65	64	57	48	41	49	54	49	48	. ..	59.5
Ridgway‡	Maximum	72	70	78	76	78	80	84	85	85	84	88	80	75	73	90	91	74	73	77	78	80	85	90	69	63	70	80	62	50	55	....	76.5
	Minimum	40	49	54	44	42	45	58	64	50	50	54	57	60	61	60	64	57	36	38	43	45	43	47	55	41	31	45	50	43	41	....	48.9
Scranton*	Maximum	75	74	76	75	78	78	82	88	84	85	85	84	80	76	71	88	75	64	75	67	81	83	89	74	58	71	74	71	51	52	....	75.5
	Minimum	50	57	58	49	51	57	60	67	62	59	62	69	65	59	62	66	57	57	53	49	63	52	56	50	41	35	52	51	45	44	....	55.3
Selinsgrove	Maximum	76	74	80	78	78	77	84	89	87	84	82	88	83	78	74	87	83	74	80	77	86	85	87	82	66	76	80	73	67	50	....	78.8
	Minimum	46	55	57	48	48	59	58	62	57	59	60	68	64	64	63	63	63	56	52	47	58	53	57	61	47	32	52	61	45	42	....	55.2
Somerset	Maximum	74	70	71	75	74	77	80	83	85	81	86	81	81	71	88	87	82	69	74	75	78	82	87	76	61	66	81	73	57	50	....	75.8
	Minimum	41	49	56	49	40	43	53	57	53	50	51	61	60	61	59	57	57	49	39	42	45	47	49	51	41	33	44	51	46	43	....	49.2
State College	Maximum	72	67	76	74	76	76	84	84	83	81	81	82	76	73	82	87	77	68	74	67	86	83	88	84	62	67	79	66	58	47	....	75.3
	Minimum	48	55	56	50	48	57	61	65	58	60	62	66	66	66	64	64	62	50	48	49	57	55	56	55	40	34	39	54	42	41	....	54.3
Stroudsburg‡	Maximum	74	75	76	81	78	77	79	86	88	89	83	87	85	76	72	74	78	63	74	71	78	85	79	69	62	71	75	68	50	52	....	75.2
	Minimum	46	53	55	60	58	55	60	57	56	58	56	61	53	52	55	61	63	60	55	45	51	55	54	55	48	33	34	43	47	44	....	52.8
Towanda	Maximum	77	76	76	76	79	78	86	88	84	85	83	84	81	76	81	90	74	68	75	69	82	84	92	74	60	73	74	75	50	52	....	76.7
	Minimum	44	53	51	44	47	49	59	66	53	55	54	67	61	52	63	64	55	48	50	43	49	47	49	54	40	31	50	48	41	35	....	50.7
Uniontown	Maximum	81	74	73	80	84	84	88	91	89	89	93	89	87	83	93	94	85	70	77	81	89	89	95	80	66	80	88	76	63	57	....	82.3
	Minimum	51	58	60	55	60	54	62	69	60	60	59	66	67	72	63	70	60	50	47	58	56	57	58	57	48	49	47	57	54	52	....	57.9
Vandergrift*	Maximum	84	69	79	79	80	82	89	93	85	89	92	87	87	81	91	93	78	75	76	82	86	90	92	72	63	73	86	74	54	59	....	80.7
	Minimum	45	57	59	54	51	53	65	63	59	59	59	65	67	68	65	68	55	47	45	49	55	57	58	51	43	38	47	52	46	46	....	54.9
Warren	Maximum	68	70	72	74	75	82	84	82	80	82	84	80	79	75	89	86	72	70	71	75	76	80	83	69	60	60	76	66	60	52	....	74.4
	Minimum	48	56	50	50	50	53	60	69	58	56	60	63	60	66	69	63	60	40	45	50	54	50	55	55	45	46	52	48	46	39	....	53.9
Waynesburg	Maximum	81	77	77	82	84	82	86	88	88	88	90	87	90	91	94	92	88	78	80	81	86	89	93	85	68	81	86	79	61	61	....	83.1
	Minimum	49	61	60	51	50	56	63	67	62	60	55	64	65	71	66	67	59	48	45	49	53	55	57	56	48	39	48	56	50	49	....	56.0
Wellsboro	Maximum	74	73	72	73	76	78	83	86	82	83	82	82	75	72	85	90	71	66	72	69	79	80	85	68	56	66	76	74	52	48	....	74.3
	Minimum	40	49	52	49	43	43	58	61	48	68	53	63	50	58	62	60	60	40	47	39	56	44	50	54	39	29	45	50	38	33	....	49.4
Williamsport	Maximum	78	71	80	78	79	79	85	91	91	84	80	85	82	73	78	89	83	68	78	67	85	87	88	80	69	70	78	76	60	50	....	78.1
	Minimum	47	54	57	46	45	56	60	62	57	57	60	65	64	65	66	65	62	52	52	45	60	50	58	57	46	35	55	57	44	43	....	54.5
Williamstown	Maximum	74	72	80	80	80	83	83	88	87	86	80	86	85	81	67	84	83	78	79	80	83	83	83	77	69	68	77	76	64	47	....	78.1
	Minimum	50	61	57	53	52	54	58	65	62	63	62	67	62	58	58	60	60	55	52	54	54	60	63	59	44	38	49	57	41	42	....	55.7
York	Maximum	80	80	79	79	78	79	83	91	88	85	80	90	85	79	76	87	82	77	79	77	86	86	87	80	71	73	81	76	69	56	....	80.0
	Minimum	47	55	62	53	49	55	51	60	60	60	62	65	66	61	65	60	60	61	57	51	64	58	64	62	46	32	47	67	53	48	. .	56.7

* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLI. OCTOBER, 1936. No. 10.

GENERAL SUMMARY.

The temperatures were mostly seasonable during the first half of the month, while both extremes were recorded in the greater portion of the State during the latter half. High temperatures for the month were recorded at most places in the Ohio drainage basin from the 6th to the 10th, and in the remainder of the State from the 20th to the 22d inclusive, while the minimum temperatures were recorded in all parts of the State on the 27th or 28th. This cold period was unusually severe, with minima mostly below 20 degrees, and several stations reported the lowest of records for so early in the season. However, the cold was of short duration, and the ground did not freeze enough to seriously damage the root crops, such as potatoes, carrots, and turnips, although the tops were killed.

The rainfall averaged about fifteen percent above the October normal, with the plus departures north and west of the Blue Ridge Mountains, while there was a general deficiency to the south and east of that range. Since the crop growing season ended with the general freeze on the 27th and 28th, it is interesting to note the accumulated departures of precipitation since the first of the year, which we note as follows: Philadelphia, —1.21 inches; Reading, —3.75 inches; Scranton, —1.08 inches; Harrisburg, +5.01 inches; Pittsburgh, +1.33 inches; and Erie, —10.57 inches. However, these figures, excepting those for Erie, do not reveal the drought condition that prevailed in May, June, and July, during the vital portion of the crop season. The season started well, with a large excess in March that saturated the soil to a considerable depth, but the top soil dried out to such an extent that in July all crops excepting corn, tobacco, alfalfa, and late potatoes, were badly stunted. Timely rains in August saved these crops, while others were damaged beyond recovery. The early potato crop was generally short, but October diggings gave full returns for the late crop in many regions. The outstanding rains in October occurred on the 1st and 17th respectively. The first rains served to revive pastures and late feed crops, while the later rains were chiefly beneficial in replenishing the surface water supply, and as a help for the winter grains. The month as a whole was favorable for field work, and corn husking and potato digging were well advanced at its close. Apple gathering was generally finished about the middle of the month.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 90 stations, was 54.0°, which is 1.5° above the 49-year normal for October. The highest monthly mean was 60.8°, at Marcus Hook, and the lowest 47.8° at Mount Pocono. The highest temperature was 87° at Meadville on the 7th, and the lowest was 11° at Gouldsboro on the 28th. The greatest daily range in temperature was 47° at Clearfield on the 28th and at Hyndman on the 20th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 142 stations, was 3.69 inches, which is 0.49 inch above the 49-year normal for October. The greatest monthly amount was 6.13 inches at Natrona, and the least was 1.30 inches at Philadelphia Navy Yard. The greatest amount recorded in any 24 consecutive hours was 3.24 inches at Bedford on the 16-17th. Snowfall averaged a trace, which is 0.2 inch less than the 49-year normal. The greatest monthly snowfall was 2.0 inches at Warren, and the greatest snowfall for 24-hours was 1.0 inch at Warren on the 26th and 30th.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	46.3	74	19	4.02	T	16	9	6	16
1889	47.3	83	13	3.85	0.2	10	8	9	14
1890	50.9	81	21	5.87	0.3	15	6	8	17
1891	50.6	91	15	3.06	T.	8	11	9	11
1892	50.8	83	16	0.72	T.	6	13	11	7
1893	53.0	91	17	3.26	T.	8	14	8	9
1894	53.6	88	24	4.26	T.	9	12	8	11
1895	47.3	76	17	1.99	0.3	5	17	8	6
1896	48.9	86	18	3.19	T.	9	11	8	12
1897	54.2	95	16	1.32	T.	5	14	8	9
1898	53.8	92	20	5.20	T.	12	11	7	13
1899	54.6	94	15	1.55	0	6	13	8	10
1900	58.6	95	19	2.74	0	8	11	9	11
1901	52.2	83	20	1.23	T.	5	16	10	5
1902	53.1	89	19	4.64	0.1	9	12	9	10
1903	53.4	91	20	4.64	0.1	9	12	8	11
1904	50.6	91	12	2.87	T.	7	15	8	8
1905	53.2	90	16	4.23	T.	9	14	7	10
1906	52.0	87	14	4.46	1.1	14	7	7	17
1907	48.2	87	13	3.16	T.	7	16	8	7
1908	54.6	93	19	1.95	T.	6	16	7	8
1909	48.4	87	15	2.27	T.	7	13	7	11
1910	55.6	91	14	1.91	0.5	7	16	8	7
1911	52.3	83	18	4.83	T.	11	11	7	13
1912	54.2	90	23	2.74	T.	7	15	7	9
1913	54.9	88	16	5.44	0.2	13	10	6	15
1914	56.4	91	11	2.35	T.	9	11	9	11
1915	54.2	85	17	2.65	T	8	15	7	9
1916	52.1	92	16	2.25	T.	6	18	7	6
1917	47.2	84	12	6.38	1.7	13	10	10	11
1918	55.5	85	19	3.17	0	10	15	8	8
1919	57.5	92	21	4.77	0	17	9	8	14
1920	57.5	88	22	1.67	T.	5	19	7	5
1921	52.6	84	18	2.16	0	8	17	7	7
1922	54.8	94	12	2.51	T.	7	18	6	7
1923	51.0	87	12	2.38	T.	8	15	8	8
1924	52.9	87	14	0.28	0	2	21	7	3
1925	46.1	83	9	4.83	3.8	15	6	8	17
1926	51.9	90	16	4.51	0.2	14	10	9	12
1927	55.6	99	21	6.40	0.1	9	17	5	9
1928	55.1	91	15	1.78	0.1	8	14	8	9
1929	50.6	85	14	5.59	T.	9	12	8	11
1930	50.8	93	9	0.99	0.2	6	15	7	9
1931	55.7	93	20	1.83	T.	9	15	8	8
1932	53.8	86	20	5.31	T.	11	10	7	14
1933	51.6	90	11	1.91	T	8	16	9	6
1934	51.8	84	11	1.46	0.6	6	17	7	7
1935	53.0	89	16	2.77	T.	9	16	8	7
1936	54.0	87	11	3.69	T.	11	13	6	12
Period	52.5	99	9	3.20	0.2	9	13	8	10

Climatological Data for October, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	54.4	+1.4	78	20	21	28	38	3.84	+0.29	1.65	0	12	17	12	2	ne.	John A. Frick.
Altoona	Blair	1,615	49	52.8	+0.6	80	20	19	27†	36	4.45	+1.26	2.00	T.	12	15	3	13	w.	John J. Martin.
Ardmore	Montgomery	350	16	55.9	+0.6	77	22	23	28	30	2.18	−0.85	0.92	0	5	11	8	12	.....	H. L. Balderston.
Arendtsville	Adams	700	14	54.4	+0.1	80	19	18	28	44	5.80	−2.41	2.20	0	11	21	0	10	nw.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	53.8	......	77	20†	17	28	40	4.53	....	3.24	T.	8	17	1	13	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	56.6	+0.8	81	20	22	28	37	3.11	−0.24	1.34	T.	9	14	5	12	sw.	Lehigh University.
Carlisle	Cumberland	467	70	55.9	+3.0	78	20†	19	28	40	3.47	+0.08	1.60	T.	11	14	8	9	sc.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	54.6	+1.1	80	20†	18	28	40	1.94	−1.36	0.50	0	8	13	2	16	......	W. L. Gearhart.
Center Hall	Center	1,272	40	52.0	+0.2	77	20	19	28	31	4.76	+1.76	2.25	0	8	18	4	9	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	56.5	+3.3	80	20	21	28	38	5.01	+1.94	2.34	0	10	13	5	13	sw.	William B. Spear.
Clearfield	Clearfield	1,120	29	54.4	+1.8	82	9†	15	28†	47	4.11	+0.72	1.13	T.	10	12	11	8	nw.	E. W. Hess.
Coatesville	Chester	380	49	54.0	+0.2	77	7	17	28	34	3.24	−0.12	1.01	0	7	12	2	17	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	53.4	+0.8	76	22	17	28	35	3.38	−0.14	0.93	0	11	15	5	11	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	52.4	+2.3	81	20	13	28	43	4.17	+0.94	1.15	0	13	12	7	12	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	56.6	+1.9	81	20	21	28	40	2.75	−0.35	1.13	0	10	16	1	14	n.	Ira J. Keath
Freeland	Luzerne	1,970	43	50.5^{a}	+3.0	75^{a}	20	19^{a}	27	28^{a}	3.19	−1.10	1.03	T.	14	6	6	19	w.	Andrew B. Evansha.
George School	Bucks	190	30	56.6	+1.3	78	22	22	28	31	3.11	−0.59	1.43	0	6	8	15	8	s.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	57.4	+4.1	79	20	22	28	35	5.50	+2.10	2.16	0	13	15	5	11	s.	Dr Henry Stewart
Gordon	Schuylkill	840	32	52.2	+1.4	78	20	14	28	40	2.61	−1.71	0.74	0	10	13	8	10	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	48.6	+3.0	72	20†	11	28	39	3.15	−0.77	0.84	T.	9	14	6	11	w.	Ronald H. Marshall.
Hamburg	Berks	535	43	55.2	+1.6	79	22	19	28	35	3.34	−0.63	1.16	T.	9	16	7	8	sw.	State Sanatorium.
Hanover	York	600	32	58.0	+1.7	80	20	24	28	32	3.76	+0.82	1.10	T.	8	17	2	12	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	55.9	+1.1	77	20	26	28	30	2.00	−0.93	1.10	T.	10	13	4	14	w.	U. S. Weather Bureau.
Hawley	Wayne	900	18	48.8	−0.6	76	20	12	28	43	2.67	−0.69	0.95	T.	15	14	11	6	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	58.4	+1.7	81	20	31	28	31	2.66	−0.15	0.61	0	8	17	3	11	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	54.7	+1.9	80	20	19	28	44	4.79	+1.72	2.41	0	11	9	9	13	sw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	54.1	+0.7	82	20	18	28	47	4.11	+1.33	2.67	T.	8	19	6	6	.....	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	50.3	......	76	20	17	28	35	3.27	....	1.63	0.1	17	9	5	17	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	56.0	+2.5	80	20	19	28	41	3.27	+0.18	1.18	0	9	17	7	7	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	39	52.0	+1.3	81	20	15	28	40	4.10	+1.27	1.08	T.	10	15	8	8	......	C. P. Darling.
Lebanon	Lebanon	469	52	54.8	+1.0	80	20†	21	28	39	2.24	−1.15	1.00	0	10	18	0	13	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	16	54.2	+0.6	77	20	20	28	37	5.20	+2.07	1.94	T.	11	8	14	9	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	10	60.8^{a}	+1.2	78^{a}	9	29^{b}	26	35^{a}	3.54	....	1.97	0	5	18	4	9	......	Sun Oil Co.
Mauch Chunk	Carbon	600	47	.....	......	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	47.8	−0.5	72	20	13	28	31	3.37	−1.31	1.62	T	10	11	5	15	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	50.1	0.0	74	20	15	28	35	3.93	+0.32	0.98	T.	8	14	5	12	sw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	55.2	+1.1	80	22	19	28	38	2.92	−1.10	1.15	0	7	16	8	7	sw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	52.4	+0.5	76	22	18	28	36	2.31	−1.08	0.69	T.	12	13	10	8	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	58.6	+0.8	78	22	29	27	26	1.76	−1.05	0.67	0	8	11	8	12	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	56.9	+1.8	84	10	18	28	37	2.73	−0.89	1.21	0	8	15	9	7	s.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	53.0	+0.7	76	21	15	28	35	2.72	−1.20	1.25	0	7	15	7	9	s.	John E. Benner.
Reading	Berks	273	66	56.8	+2.1	80	20	24	28	29	2.18	−0.94	1.00	0	10	11	8	12	s.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	52.0	.....	77	10	16	28	38	3.28	....	1.19	0	9	11	5	15	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	52.6	+0.8	78	21	21	28	34	2.11	−0.92	0.40	T.	13	6	12	13	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	46	54.2	+1.3	78	20	20	28	35	3.20	−0.37	1.17	0	11	13	6	12	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	57.0	+4.4	77	10†	24	28	30	3.00	−0.25	1.37	0	6	9	10	12	s.	W. S. Guiles.
Shippensburg	Cumberland	660	3	55.4	......	76	20	21	28	35	3.66	....	1.35	0	10	12	6	13	sw.	State Teachers College
State College	Center	1,217	52	52.0	+0.8	77	20	18	28	32	4.66	+1.64	2.61	T.	13	11	13	7	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	51.4	−0.5	77	20	14	28	41	3.82	+0.08	1.72	0	13	16	1	14	w.	State Normal School
Towanda	Bradford	754	42	51.8	+0.9	79	20	18	28	38	3.81	+0.90	1.08	T.	10	8	13	10	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	49.7	+0.7	77	20	13	28	39	2.45	−0.58	0.68	T.	8	21	0	10	nw.	George W. Hill.
West Chester	Chester	455	87	56.8	+2.2	80	22	21	28	32	3.28	−0.34	1.29	0	8	13	4	14	w.	Harlan Saylor.
Williamsport	Lycoming	521	50	53.9	+1.2	83	10	19	28	40	4.08	+0.86	1.20	0	13	18	3	10	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	21	54.1	+0.7	78	22	23	27	30	3.70	−0.01	1.20	T.	9	11	9	11	sw.	Susquehanna Collieries Co.
York	York	400	48	56.4	+2.2	78	22	18	28	35	2.54	−0.50	0.95	0	9	15	10	6	s.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	46	50.4	+1.5	77	10†	12	28	44	4.92	+1.65	1.26	0	17	5	8	18	.....	Frank S. Fawcett.
Butler	Butler	1,077	23	55.0	+2.1	81	6	17	28	40	5.86	+2.99	1.93	T.	10	14	4	13	nw.	William C. Faust.
Chambersville	Indiana	1,047	35	53.1	+0.6	79	6	19	27†	41	5.44	+1.93	1.85	0	14	11	3	17	w.	John E. Lewis.
Clairton	Allegheny	1,020	4	53.1	......	79	9	26	27†	35	3.40	....	1.30	0	11	10	3	18	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	55.6	+1.4	81	5†	20	28	42	4.57	+1.32	1.53	0	11	15	6	10	w.	J. L. Melvin.
Corry	Erie	1,430	23	51.3	+2.0	80	9	15	28	44	3.16	−0.30	0.89	0	11	10	16	5	nw.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	55.6	+1.5	81	20	22	28	41	4.38	+1.14	1.20	T.	13	14	6	11	w.	Ted R. Wineman.
Donora	Washington	762	10	57.2	+1.4	81	6†	30	27	35	3.78	+1.11	1.04	0	14	7	15	9	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	51.7	+1.6	77	20	18	27	34	3.77	+0.45	0.70	0	11	15	5	11	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	50.8	+1.1	81	21	16	28	39	5.18	+1.98	2.35	0	7	19	4	8	w	J. S. Stevanus.
Franklin	Venango	957	62	51.2	−0.1	79	6†	16	28	44	4.12	+0.83	1.20	0	13	13	4	14	w.	R. L. Walters.
Greensburg	Westmoreland	1,150	27	55.2	+1.0	80	9	24	28	40	4.07	+1.15	1.05	T.	12	13	8	10	w.	Westmoreland Water Co
Greenville	Mercer	950	40	53.5	+2.3	78	5†	18	28	42	3.65	+0.13	1.05	0	12	13	6	12	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	52.8	+0.7	76	5	21	28	31	3.87	+0.70	1.18	T.	13	8	8	15	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	53.0	−0.9	80	9	20	28	41	4.54	+1.67	1.59	0	13	19	4	8	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	55.4	+1.6	83	20	22	28	43	3.57	+0.31	1.82	T.	12	13	8	10	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	4	50.0	......	78	9	15	27	39	4.58	....	1.10	T.	12	15	7	9	sw.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	44	54.8	+0.4	77	9	25	27	35	4.50	+1.10	1.25	T.	11	6	8	17	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	53.6	+2.7	87	7	19	28	39	3.27	−0.50	0.90	0	13	13	6	12	w.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	54.7	......	77	9	24	28	31	4.70	....	1.12	0	11	11	3	17	nw.	Perry P. Campbell
New Castle	Lawrence	808	56	53.0	+0.6	81	10	19	28	34	4.67	+1.87	1.84	0	19	10	14	7	n.	New Castle Water Co
Newell	Fayette	800	16	56.9	+1.6	81	10	24	28†	35	4.02	+1.46	1.59	0	12	16	5	10	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	54.4	−1.3	78	6	27	27	35	4.05	+1.53	1.97	T.	14	8	12	11	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	49.6	+0.7	78	9	13	28	41	3.65	+0.52	0.92	0	13	10	4	17	s	West Penn. Power Co.
Sharon ‡‡	Mercer	940	23	54.6	+1.6	80	9	25	28	37	3.82	+1.00	1.07	0	10	14	9	8	se.	Harry H. Gerber.
Somerset	Somerset	2,190	69	49.4	+0.1	76	6	15	28	39	3.40	+0.19	1.89	T.	15	8	11	12	sw.	D. L. Grove.
Uniontown	Fayette	1,100	48	57.0	+2.2	84	6	23	31	44	3.57	+0.20	1.09	0	12	12	9	10	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	55.3	+1.2	80	6†	21	28	36	4.94	+1.95	1.34	0	13	17	11	3	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	47	53.2	+2.4	76	21	22	28	33	5.48	+1.96	1.96	2.0	14	14	6	11	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	56.1	......	84	9	23	28†	40	4.65	....	2.00	0	11	3	16	12	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	53.6	+0.2	78	20	27	28	26	2.86	−0.83	0.68	T.	14	7	12	12	s.	U. S. Weather Bureau.
For the State	......	......	49	54.0	+1.5	87	7	11	28	47	3.69	+0.49	3.24	T.	11	13	7	11	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-11 30-36-1050.

Daily Precipitation for October, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
llentown‖	Lehigh	1.65							.35	.20	.16	.42	T.					.83	.04						.05		.04	.08			.01	.01	3.84
ltoona	Juniata	.37					.19	.04	.53		.27	.10					.08	2.00	.10					T.	.12		.46				.19		4.45
nsonia‖	W. Br. Susq	.64						.01			.34	.55	.01		.03			1.06	.58	02				.12	.47		.10	.12			.12	.06	4.23
rdmore	Lower Del	.84						.12	.30		T.						.04	.88						T.									2.18
rendtsville	Lower Susq	1.65				.04			.17	.37	.79	.14				.04	.03	2.20								.30					.07		5.80
aker's Summit	Juniata	.44							.28		.27	.07					.10	2.34						.05	.14		.29				13		4.11
edford	Juniata	.31						.04	.30	T.	.29	.05					.10	3.14					T.	T.			.30				T.		4.53
ellefonte	W. Br. Susq	.39					T.	.12	.20		.27	T.					.12	1.98	.04				T.	.05	.34		.40				.12		4.03
ethlehem	Lehigh	1.34						.04	.39		.25							.87	.04						.03		.13				.02	T	3 11
loserville‡‡	Lower Susq									.27	.65	.10				.05		1.30									.35			.05			2.77
uffalo Mills‖	Juniata	.80							.21	.30	.06	.32						3.13						.09	.08		.21						5.20
arlisle	Lower Susq	.80						T	.22	.02	.43	.02				T.	T.	1.60	.06				T.	.02	.08		.20				.02		3.47
atawissa	N. Br. Susq		.48								.43	.02					.04	.50						.12	.10			.25					1.94
enter Hall	Susquehanna	.64							.16		.54	.65						2.25	.18						.20					.14			4.76
hambersburg	Potomac	.56						T.	.70	.21	.74					T.	.15	2.24					.08		.06		.24				.03		5.01
learfield	W. Br. Susq	.02	T.				.12		.17		1.09		T.				.40	1.13	.13	T.				.40	T.		.35					.30	4.11
oatesville	Lower Del	1.01						.01	.59	.20	.41							.72							T.		.30				T.		3.24
olebrook	Lower Susq	.93						.49	.22	.10	.34					.16	.02	.78	.06						.05		.23						3.38
onshohocken	Schuylkill	.73							.42		.04							.63									.10				.02		1.94
oylestown	Lower Del	1.20							.21		.16						T	.87									.10						2.54
mporium	W. Br. Susq	.53						.06	.04		.82	.02		.04			.05	1.15	.10					.14	.40		.53				.29		4.17
phrata	Lower Susq	1.13							.44	.06	.20	.02				.01		.56	.04						.07		.22						2.75
orest City	N. Br. Susq	1.57							.26		.11	.24		T.			.17	.85	.55									.62			.04	.06	4.47
reeland‖	Lehigh	1.03							.16	.01	.26	.05	.01		T.		.08	.63	.30				T.		.15		.18	.15			.02	.16	3.19
aleton	W. Br. Susq	.40						.06			1.26	.06	T.			T.	T.	1.40	.02				.05	.31	.30		.26				.32		4.44
eorge School	Lower Del	1.43	T.						.26	T.	.23	T.						1.08	T.				T.	T.	T.		.10		.01				3.11
ettysburg	Potomac	.88					T.	.01	.51	.58	.92	T.				.18	.06	2.16	.02					.02	.01		.14				.01		5.50
irardville‖	Lower Susq	.57						.13	.05	.19	.11					T.	.64	.24					.06	.24		.08	.06			.06	T.		2.43
ordon	Lower Susq	.50						.11	.16		.49							.74	.08					.12	.09		.30				.02		2.61
ouldsboro‡‡	Lehigh	.80						.08			.12						.84	.50	.20				.22	.13			.26				T.		3.15
raterford	Schuylkill	1.19							.34		.22		.04			T.		.18									.32						2.29
amburg	Schuylkill	1.16						T.	.50		.61					.05		.65	.08						.05		.23				.01		3.34
anover	Lower Susq	1.10						T.	.57	.46	.64					.05	T.	.80	.05					T.	T.		.09				T.		3.76
arrisburg***	Lower Susq	.07					T.	.03	.19	.24	.19	T.				.01	.47	.66	T.				.01	T			.13				T.		2.00
awley‖	Upper Del	.95						T.	.17		.13	.03	.01	T.		T.	.24	.46	.32	.02				.03	.19	T.	.03	.03			.03	.03	2.67
ollisterville	Upper Del	.89						.02	.21		.16	T.	.03		T.	.02	T	.96	.62					.02	.26		T.	.05		T.	.20	.02	3.46
oltwood‡‡	Lower Susq	.60							.12	.61	.54		T.				.15	.47							.01		.16						2.66
untingdon	Juniata	.61					.03	.11	.43	.01	.43						T.	2.41	.05						.20		.45				.06		4.79
yndman	Potomac	.27						.40										2.67	.41					.02	.06		.10				.18		4.11
ylertown***	W. B. Susq	.10					.14	.04	.11	.01	.18	.07		T.			.29	1.48	.20				.01	.17	.04	.02	.26			.05	.10	T.	3.27
akeville‖	Upper Del	1.08	T.					.04	.02	T.	.29	.04			T.		.23	.55	.32	T					.23	T.	.04	.05	T.		.05	.01	2.95
ancaster	Lower Susq	1.18							.73	.14	.21	T.	T.			T.		.80	.02						.01		.17				.01		3.27
ansford‖	Lehigh	1.20							.16	.06	.25	.22					.14	.82	.08					.16			T.	.22				.05	3.36
awrenceville	N. Br. Susq	.45					T.	T			.76	T.	.08	.10			T.	1.08	.20				.05	.20	.70		.18				.30		4.10
ebanon	Lower Susq			T.				.32	.26	.25	.20				T.	.03	.91	.09					.01	T	T.	.14	.03				T.	T.	2.24
ehighton‖	Lehigh	1.18							.13		.35	.08					.18	.71	.16	T.					T		.24	T.			T.	T.	3.03
ock Haven	W. Br. Susq	.95						.07	.10		.60	.01						1.94	.25					.17	.56		.45				.10		5.20
arcus Hook	Lower Del	1.97							.68	*	*		.11					.76							T.		.02				T.		3.54
atamoras‖	Lower Dela	1.47								.18	.19						.13	1.28							.20								3.45
auch Chunk	Upper Del																																......
ontrose	Lehigh	.80									.50							.76	.26					.35	.43		.52				.15		3.77
orris Run	Susquehanna	.05						.06			.61	.16		T.					1.60	.30				.47	.38		.12				.12		3.87
ount Pocono	N. Br. Susq	.93						.10	.04		.38				.04	.06		1.62	.03					.10	.07						T.	T.	3.37
uncy Valley	Upper Del	.98					T.	.24		T.							02	.86						.43	.42		.91				.07		3.93
eshaminy‖	W. Br. Susq	1.15								.41	04						.06	1.10							.02			.14					2.92
ew Park	Lower Del	.72						T.	.25	1.05	.25					.03		.73									.26						3.29
ewport‖	Lower Susq	1.00							.13	.69	.43	.15					.03	1 15	.20					.12	.08		.15	.03			.03		4.19
almerton‡	Juniata	.55						.04	.12	.04	.42					.11	.12	.69						.01	.02		.16				.03		2 31
aupack‖	Lehigh	.90						*	.38		.08	*	.10				.40	.57	.25				*	.10	.15		.05			*	.15		3.13
hiladelphia***	Upper Del	.54						.12	.28	.05	.01						.10	.59							T.		.07				T.		1.76
hila. Navy Yard‖	Lower Del	.20							.41	.03	.04	T.					T.	*	.46						T.	T.	*	.16					1.30
hila-P'nt Breeze.‡	Lower Del	.37						.03	.42	*	.06	T.					*	.73						T.			.12						1.73
hoenixville	Schuylkill	1.21							.20	.09	.22					T		.85	.01						.02		.13				T.		2.73
ine Grove	Lower Susq	.04						.06	.44	.25	.33					.08	.30	.45						.02			.24				T		2.21
leasant Mt.‖	Upper Del							.20				.40				.04			1.41						.57		.55			.18			3.35
ottstown	Schuylkill	.42						.80	.17	.15	.04	T.				T.	.15	.25						.02	.02		.07						2.09
ottsville	Schuylkill	.82						.07	.20	T.	.67		T			.07	.04	.59	.06					.11	.04		.17				.02		2.86
uakertown	Lower Del	1.25							.18		.11		.02					1.01	.02								.13						2.72
eading***	Schuylkill	.49						.84	.16	.15	.03	T.				T.	.16	.23						.01	.03		.08				T.		2.18
enovo‖	W. Br. Susq	.62	.18					.05	.03		.98	.12						1.50	.54					.19	.19		.26				.06		4.72
etreat	N. Br. Susq	1.19						.18	.04		.41							.66	.25				T.	.07	.23		.25				T		3.28
cranton***	do	.35						.10		.02	.11	.03	T.	T.	T	T.	.40	.30	.11				.04	.27	.16		.16			T.	.06		2.11
elinsgrove	Lower Susq	.74		.02					.25	.01	.41						.02	1.17	.10					.09	.18		.21						3.20
hawmont	Schuylkill	1.37							.37	T.	.16						T	.94	T								.15				.01		3.00
hippensburg	Lower Susq	.76							.79	T.	.08	.18				.08	T.	1 35	.03					.01	.10						.28		3.66
tate College	W. Br. Susq	.32					.05	.05	.25	T	.23	.03				T.	.17	2 61	.07					.17	.24		.36				.11		4.66
troudsburg‖	Upper Del	1.72							.06	.02	.18	.11				.01	.08	1.09	.25					.01	.12		.11				.06	T.	3.82
unbury‖	Lower Susq	.78						T.	.16	.11	.18	.23	T.				T.	.98	.12					.03	.32		.27	.07			T.	T	3.25
usquehanna‖	N. Br. Susq	.82									.19	.18	.02	T.	.04			.42	.75	06				.20	.80		.17	T.			.22	.04	3.91
owanda	do	.58						T.			.87	.05	.02	T.			T.	1.08	.03				T.	.53	.45		.07	T.			.13		3.81
eikert	Lower Susq																																......
ellsboro	W. Br. Susq	.34						T.			.43	T.	T	T.			T.	.68	.02				T.	.28	.37		.15				.18		2.45
est Chester	Lower Del	1.29						T.	.46	.02	.32					.01		.90							.02		.26				T.		3.28
estgrove‖	do	1.40							.10	.28	.06							.82	.05								.01	.21					2.93
ilkes-Barre‖	N. Br. Susq	.98						T.	.15		.07		T.				.05	.35	.33	T.				.10	.34	T.	.14	.10			.09		2.70
illiamsport‖	W. Br. Susq	.92							.13	.02	.32	.09	.02	T.			T.	1.20	.53					.08	.43		.24	.03			.07	T.	4.08
illiamstown	Susquehanna	.79						.20	.33	.01	.50					T.	T.	1.20						.26	.09		.32				T.		3.70
ork	Lower Susq	.95						.02	.39	.16	.19					.02	T.	.65	.04								.12				T.		2.54
ork Haven‖	Lower Susq	1.36							1.24	.15	.33	.10	.05				.04	.85	.20					.02			.12	.03					4.49
ionsville..(near).	Schuylkill	1.52						T.	.21		.20							.88									.16						2.97
renton, N. J***	Lower Del	1.09						.03	.17	.15	.02						T.	1.19						T.	.01		.10				T.		2.76

Continued on page 49.

Daily Precipitation for October, 1936—Continued from page 48

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	.08	.01					.50	.20	.05	1.24	.02	.01					.85	.22				T.	.06	.10		.39	.01			.05	T.	3.79
Bradford	Allegheny	.29					T.	.29			.72	.12	.27	.05			.11	.85	.36					.12	.33		.75				.34		4.60
Brookville‖‖	...do	.41	.02				.02	.09	.24	.02	1.26	.17	.04					.67	.56					.20	.31		.75	.03			.10	.03	4.92
Butler	Ohio		.80					.72	.25	.21	1.93	.09						.92	T					.15			.68			.11			5.86
Chambersville	Allegheny	.38					.17	.13	.22	.02	1.85	.15					.06	1.50	.07				T.	.11	.19		.56				.03		5.44
Clairton‡	Monongahela						.13	.20	.22	.30	1.30	.03					.34	.30	.01							.03	.54					T.	3.40
Claysville	Ohio	.05						.44	.67		1.53	.11					.13	.73	.01					.04	.11		.75						4.57
Confluence‖‖	Youghiogheny	.65						.27	.13	T.	.62	.18	.04					1.80	.23					.10	.12		.15	.38					4.67
Corry	Allegheny	.21					.10	.89			.47	.31	.02	.02				.70	.31				.02	.11									3.16
Derry	Conemaugh	.30					.36	.54	.19	.02	.60	.18					.14	1.20	.03				T.	.15	.12		.55				T.		4.38
Donora‖‖	Monongahela	.41	.01				T.	.36	.38	.01	1.04	.02	.05				.02	.50	.18	T.				.14	.10		.56	T.	T.				3.78
Ebensburg	Conemaugh	.70					.32	.16	.47		.38	.36					.07	.20						T.	.43		.56				.12		3.77
Elk Lick	Youghiogheny	.20						.98			.28						.65	2.35						.22			.50						5.18
Franklin‖‖	Allegheny	.24	.05					.10	.04		1.20	.08	.05				.72		.43					.08	.22		.81				.10		4.12
Greensboro‖‖	Monongahela	.38						.31	.64	.02	.08	.17	T.				T.	.76	.14	T.				.12	.11		.36	.09		T.			3.18
Greensburg	Youghiogheny	.03					.15	.51	.19		.95	.06					.24	1.05	.01	T.			T.	.15	.12		.61				T.		4.07
Greenville	Beaver	.20						.20			.92	.10	.04				T.	.79	.15				.03	.05	.02		1.05				.10		3.65
Grove City	...do	.15					.05	.27	.12	T.	1.18	.05						.06	.86	.07			T.	.04	.14		.86				.02		3.87
Herrs Isl. Dam‖‖	Ohio	.36	T.					.32	.10	.08	2.82		.14				.07	.60	.24					.04	.09		.64	T.			T.	T.	5.50
Irwin	Monongahela	.10					.12	.33	.23		1.59	.10					.11	.93	.03				.01	.10	.14		.75						4.54
Johnstown	Conemaugh	.05					.09	.17	.15		.35	.20					.09	1.82	T.					.04	.08		.38				.15		3.57
Kane (near) ‡‡	Allegheny	.63					.15	.02			.78	.08	T.	.05			T.	1.10	.28					.18	.26		.61				.44		4.58
Kregar‖‖	Youghiogheny	T.					.14	.30	.26	.16	.22	.10					1.06	.42					.09	.15		.35	.33				T		3.58
Lake Lynn‖‖	Monongahela	.20					.38	.35	.23	.12	.22	.02					.01	.95	.18	.04				.08	.16		.18	.22					3.34
Linesville‖‖	Beaver							.15	.29		.46	.11											.19	.21			.43						1.84
Lock No 2‖‖	Ohio	.39						.45	.14	.08	2.05		.03					.51	.15					.07	.14		.47	T.					4.48
Lock No. 4‖‖	Monongahela	.38					T.	.18	.29	.19	1.06	.08	.06					.50	.12					.15	.12		.46	.09					3.68
Lock No. 5‡‡‖‖	Allegheny	.51	T.				.10	.48	.28	.10	1.81	.12	.09				.02	.72	21	T.				.08	.22		.65	.03			.01	.01	5.44
Lycippus	Conemaugh	.28					.05	.45	.25	.10	.85	.20						1.25					T.	.22	.15		.70				T.		4.50
McKeesport‖‖	Monongahela	.35					T.	.16	.16	.04	2.00		.03				T	.41	.13					.04	.05		.52						3.89
Meadville	Allegheny	.10	.08				.04	.45			.44	.07	.07				T.	.67	.27				.05	.06			.90				.07		3.27
Midland	Ohio	.10					.09	.88	.31	T.	1.29	.08						.96	.16				T.	.06	.11		.66					T.	4.70
Mosgrove‖‖	Allegheny	.58	.02				.18	.19	.11		1.31	.25	.04					1.12	.26					.03	.12		.38	.02			.05	T.	4.66
Mount Lebanon	Ohio						.30	.32	.16	1.00	1.00	.17	T.				.18	.84	.02					.12	.05	.03	.64						4.83
Natrona‖‖	Allegheny	.46					.01	.52	.32	.10	2.10	.04	.07				.02	.93	.24					.07	15		.66	.38			.03	.03	6.13
New Castle‖‖	Beaver	.11	.01	T.		.01		.29	.35	.01	1.84	.03	.03	.01	T.			.65	.28	.02			T.	.08	.19	.03	.66	.02		T.	.05	T.	4.67
Newell	Monongahela	.30						.25	.33		1.59	.15	.02					.60	.07					.10	.08		.51					.02	4.02
Parkers Landing‖‖	Allegheny																																
Pennline‖‖‡‡	Beaver	.17	.18					.24			.41	.06	T.					.71	.48				.05	.02			.68	T.			.11		3.11
Pittsburgh***	Ohio	.01					.14	.24	.18	1.01	.96	.07				T.	.21	.51	.01				T.	.10	.05	.08	.48				T.	T.	4.05
Punxsutawney‖‖	Allegheny	.50	.02				.11	.05	.13	.04	1.42	.23	.04				.02	.92	.29					.07			.54	.02			.05		4.45
Ridgway	...do	T.	.03				T.	.04	.05		.91	.15	T.					.92	.28					.16	.38		.54	.02			.13	.04	3.65
Saltsburg‖‖	Conemaugh	.50	.03				.03	.23	.33	.31	1.56	.13						1.15	.27					.09	.16		.64	.05					5.48
Sharon‖‖	Beaver	.12	T					.65	.09		1.07		.05					.78		.25			T	.05			.72				.04		3.82
Smethport‖‖	Allegheny	T	.10						T.		1.02	.05	.02	T.	.05	.05		1.05	T.	.10	T.			.05	.70		.48				.45		4.12
Somerset	Youghiogheny	.15	.03					.09	.43	.02	.07		.09				.19	1.70	.04				.02	.08	.04		.43				.02		3.40
Springdale‖‖‡‡	Allegheny	.44						.34	.19	.11	2.22	.04	.15				.03	.71	.21					.05	.12		.70	.01					5.32
Uniontown	Monongahela	.22						.23	.83		.22	.06					.13	1.09	.03				.02	.12	.12		.50			T.			3.57
Unity Reservoir‡‡	Youghiogheny	.06					.22	.51	.19		.76	.15					.20	1.13	.03				T.	.16	.15		.62						4.18
Vandergrift‡	Conemaugh	.01					.23	.12	.25	1.34	*	1.12					.37	.68					.03	.13		.04	.62						4.94
Warren	Allegheny	.45					.50	1.46			.36	.15	.05				.40	.91					.04	.22	.10		.60	.08			.16		5.48
Waynesburg	Monongahela							.34	.52		2.00	.09					.18	.70	.06				.04	.11	.06		.55						4.65
Westford‖‖	Beaver						.38			.45	.04	.17					.65	.50					.12			1.00	.10			.08			3.49
West Newton‖‖	Youghiogheny	.37					.02	.18	.42	.09	.99	.04	.05					.61	.15					.10	.09		.47	T.				T.	3.58
Lake Drainage.																																	
Erie***	Lake Erie	.07					.24	.23	T.	.08	.06	.09	.17	T.			.11	.68	.36				.10	T.		.04	.64			T.	.04	T.	2.86

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.06	30.50	27	29.41	17	13.6	37	sw.	29	80	70	73	41
Harrisburg	30.10	30.54	14	29.29	17	7.0	28	nw.	30	79	59	67	53
Philadelphia	30.12	30.54	14	29 26	17	11.8	34	nw	26	79	59	67	58
Pittsburgh	30.08	30.44	14	29.39	17	10.0	34	nw.	30	84	61	70	68
Reading	30.11	30.54	14	29.25	17	10.8	41	se.	17	77	58	65	50
Scranton	30.08	30.54	14	29.23	17	6.2	26	nw.	12	81	60	66	46

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	2.3	3.4	28	1.5	12	18
Phillipsburg	Delaware	1.1	2.0	27	0.5	17	22
Lehighton	Lehigh	2.3	2.6	9	2.0	26	7
Wilkes-Barre	Susquehanna	2.6	4.8	29	1.6	6	20
Williamsport	Susquehanna	1.7	4.3	20	0.4	1	20
Harrisburg	Susquehanna	3.6	4.4	21	3.2	1	18
Greensboro	Monongahela	11.0	14.5	18	9.5	6	30
West Newton	Youghiogheny	0.8	5.6	18	0.0	1	20
Lock No. 4	Monongahela	11.2	13.8	20	10.3	1	30
Pittsburgh	Ohio		14.2*	18	9.8*	7	25
Midland	Ohio		13.1*	19	9.4*	3	30

* —Pool stage.

Daily Temperatures for October, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
ltoona	Maximum	56	64	63	65	69	68	70	68	67	71	63	54	60	69	71	70	60	51	64	80	78	70	65	57	60	60	44	47	56	50	53	62.7
	Minimum	46	46	37	34	42	50	58	60	55	62	47	44	32	39	55	56	51	38	40	44	45	47	45	42	32	44	19	19	31	36	30	42.8
edford	Maximum	58	67	68	62	72	72	76	73	70	72	68	62	62	72	73	68	64	55	65	77	77	77	69	58	63	57	41	49	56	53	58	65.0
	Minimum	48	40	42	35	45	45	58	60	60	62	52	47	36	39	47	56	55	41	36	37	39	43	47	45	31	40	23	17	30	37	26	42.5
ethlehem	Maximum	64	68	76	75	72	73	73	69	72	74	72	63	62	57	70	70	69	65	65	81	80	79	79	60	62	62	45	50	55	54	56	66.8
	Minimum	48	49	46	38	42	46	61	63	58	58	58	48	40	46	48	58	60	46	41	44	53	56	50	46	35	45	27	22	32	40	31	46.3
rookville	Maximum	55	61	66	64	71	76	75	71	69	77	71	55	48	61	75	75	67	62	47	65	77	70	71	55	68	52	54	48	56	59	57	63.9
	Minimum	44	38	31	26	34	42	50	54	48	54	48	44	33	35	40	44	47	37	36	37	35	39	39	37	24	32	20	12	17	34	29	36.8
utler	Maximum	59	63	64	68	78	81	80	68	79	79	66	58	70	75	78	75	65	55	68	78	78	73	62	56	68	68	41	44	55	54	56	66.5
	Minimum	51	56	36	42	40	53	60	61	56	63	50	41	35	39	49	51	55	39	40	46	43	54	44	36	28	33	25	17	37	20	50	43.5
arlisle	Maximum	70	70	68	69	71	71	76	72	72	77	72	64	61	70	70	69	71	65	67	78	76	78	70	66	62	58	50	47	58	53	56	67.0
	Minimum	58	41	50	35	41	50	60	63	59	60	52	48	35	43	51	55	60	43	38	38	41	48	45	40	31	48	31	19	28	38	41	44.8
atawissa	Maximum	65	67	69	70	72	69	70	72	71	76	70	61	59	64	66	69	68	72	76	80	79	80	67	73	62	54	49	52	55	64	60	67.1
	Minimum	49	42	37	34	38	48	49	52	59	56	49	37	42	40	47	50	57	56	49	40	47	49	40	42	32	35	26	18	28	30	29	42.2
hambersburg	Maximum	66	72	70	71	71	72	76	74	71	79	68	67	64	67	76	70	72	59	66	80	78	78	67	62	64	61	45	50	59	52	57	67.2
	Minimum	47	42	50	38	43	49	59	60	60	61	55	49	39	45	54	59	59	45	41	42	44	48	50	45	34	44	27	21	29	40	42	45.8
hambersville	Maximum	58	63	64	72	76	79	74	69	76	71	66	53	72	75	76	69	62	52	65	76	74	70	62	57	68	62	42	49	55	53	59	65.1
	Minimum	47	38	34	31	45	52	57	58	52	60	47	40	33	43	57	55	48	37	37	49	43	48	41	39	29	32	19	19	30	34	20	41.1
laysville	Maximum	59	65	68	76	81	81	76	75	81	72	65	66	77	80	79	74	62	51	70	81	75	69	60	59	71	63	41	50	56	54	63	67.7
	Minimum	51	37	34	34	47	57	60	62	60	61	48	45	37	44	50	57	49	38	36	47	53	57	42	38	30	35	28	20	34	39	22	43.6
learfield	Maximum	62	67	69	64	73	71	67	76	82	71	74	78	73	69	78	70	69	70	69	82	77	79	66	69	72	61	56	62	60	59	53	69.3
	Minimum	45	39	36	30	47	48	45	45	48	58	42	45	48	39	46	50	50	49	38	39	39	42	39	48	28	38	18	15	20	15	32	39.4
oatesville	Maximum	69	71	67	67	72	71	77	71	67	65	72	66	61	68	64	67	59	68	65	73	75	71	61	57	62	58	43	51	43	52	39	63.6
	Minimum	50	47	48	37	40	43	58	61	59	62	54	43	36	45	57	55	56	46	38	44	49	52	51	43	33	36	25	17	31	39	26	44.5
orry	Maximum	65	67	69	71	79	78	71	76	80	73	61	52	52	75	77	68	58	57	69	78	75	67	46	65	54	42	45	42	57	59	60	64.1
	Minimum	36	35	29	27	40	54	57	58	43	50	40	33	33	39	54	44	36	38	45	51	56	45	38	37	25	27	20	15	33	22	35	38.5
mporium	Maximum	61	65	66	71	76	77	73	77	80	72	64	50	58	76	72	69	64	52	66	81	78	71	61	57	65	57	46	51	57	53	55	65.2
	Minimum	47	41	35	31	39	46	58	58	47	59	49	37	36	35	39	51	50	40	40	38	40	44	40	41	29	33	22	13	24	33	20	39.5
Erie*	Maximum	61	59	61	69	77	77	68	67	73	69	54	54	48	62	75	71	60	48	66	78	75	68	47	52	66	54	37	47	55	47	57	61.4
	Minimum	50	49	45	44	53	61	61	55	51	54	48	36	39	45	58	57	44	42	45	59	63	45	43	42	40	32	29	27	40	36	31	45.9
Franklin‡	Maximum	67	70	68	74	77	79	75	75	79	69	54	54	66	76	78	67	60	48	68	78	77	64	48	58	69	47	48	50	58	40	58	64.5
	Minimum	46	42	34	31	33	41	53	57	47	49	47	37	35	39	41	45	47	37	38	41	43	44	39	35	29	31	23	16	17	36	20	37.8
Freeland	Maximum	57	60	61	62	63	60	64	63	71	68	64	52	53	55	59	60	60	58	58	75	71	71	67	53	55	51	39	43	48	45	....	58.9[a]
	Minimum	43	43	39	39	45	45	56	56	53	53	49	38	31	40	47	56	54	39	37	48	53	56	39	39	35	28	19	22	31	31	....	42.1[a]
Gettysburg	Maximum	69	74	68	70	70	71	77	74	71	77	69	68	63	72	68	68	71	61	68	79	75	78	72	61	63	62	51	49	59	54	56	67.4
	Minimum	50	45	55	40	43	51	60	63	62	62	56	47	40	48	60	61	60	44	42	44	50	54	51	47	35	48	28	22	28	41	29	47.3
Greensburg	Maximum	59	64	63	72	77	79	71	70	80	71	65	60	73	77	77	68	62	50	67	77	74	71	59	57	71	62	41	49	56	52	63	65.7
	Minimum	51	40	39	38	38	55	60	62	57	63	50	45	37	46	57	59	50	40	41	51	50	54	43	43	31	34	27	24	36	40	26	44.7
Grove City	Maximum	61	63	64	69	76	74	73	67	76	70	63	49	59	73	74	72	61	45	65	76	71	68	49	55	64	59	45	46	55	54	57	63.0
	Minimum	49	48	34	38	48	55	55	59	48	60	45	37	35	46	54	53	41	36	39	52	54	45	39	36	35	33	26	21	39	36	26	42.6
Hamburg	Maximum	64	71	66	69	70	67	74	70	73	77	69	64	59	58	67	68	69	66	66	78	78	79	73	60	62	56	45	51	57	51	56	65.6
	Minimum	48	48	48	37	41	48	60	62	57	57	54	43	37	47	52	58	59	45	37	43	48	55	49	48	33	37	26	19	29	38	29	44.9
Harrisburg*	Maximum	67	69	65	66	68	72	75	69	72	76	65	62	59	63	63	69	70	55	66	77	74	77	66	58	60	58	44	47	58	49	55	64.5
	Minimum	50	49	47	41	48	54	63	63	58	59	51	49	40	49	55	61	55	46	45	47	53	57	47	43	37	33	31	26	34	40	36	47.3
Hawley	Maximum	60	61	60	63	67	64	68	69	71	70	69	52	47	44	63	70	63	61	57	76	75	73	68	55	58	52	39	46	49	46	50	60.2
	Minimum	42	37	30	28	30	35	55	53	44	52	49	38	28	37	41	51	56	41	36	33	40	53	43	42	24	32	17	12	21	33	25	37.4
Holtwood	Maximum	71	67	64	64	66	72	79	72	75	74	70	66	61	70	74	71	72	61	64	81	71	77	64	57	60	59	42	47	55	51	50	65.4
	Minimum	54	55	54	46	53	55	64	65	64	64	60	55	48	53	63	61	61	50	46	50	53	59	55	50	40	41	32	31	37	43	36	51.5
Huntingdon	Maximum	59	68	67	69	72	66	72	71	71	76	74	59	63	70	75	69	68	56	67	80	79	77	69	62	64	55	44	50	59	50	58	65.8
	Minimum	48	41	39	35	42	51	57	61	57	63	52	50	32	37	55	59	57	44	37	36	42	43	48	44	33	43	25	19	29	40	25	43.6
ohnstown	Maximum	57	69	68	73	78	78	72	70	74	76	67	63	71	78	78	68	64	51	69	83	78	72	59	61	70	63	52	54	56	51	63	67.3
	Minimum	47	41	41	36	42	48	58	61	61	62	50	47	37	41	50	54	49	40	44	40	41	44	47	44	32	37	26	22	43	38	29	43.6
Lancaster	Maximum	71	73	69	71	71	73	79	75	74	77	72	65	63	71	72	72	72	66	67	80	78	79	72	60	62	59	51	51	60	53	57	68.2
	Minimum	51	42	51	35	40	40	57	60	60	60	50	43	35	45	59	51	61	45	37	39	42	51	55	49	31	45	25	19	22	37	25	43.9
Lawrenceville	Maximum	62	67	65	71	77	73	77	79	80	74	68	52	45	70	74	69	65	55	66	81	79	76	54	57	64	53	47	50	55	50	47	64.4
	Minimum	45	39	34	31	37	48	57	54	41	58	48	34	33	35	50	50	54	39	41	41	50	51	38	37	28	29	23	15	29	33	21	39.5
Lebanon‡	Maximum	68	70	65	70	70	70	77	69	74	77	66	64	60	64	70	70	70	60	65	80	77	80	55	60	62	56	39	49	57	50	57	65.2
	Minimum	47	43	50	36	42	51	54	63	57	59	56	45	38	43	49	58	60	44	37	41	48	53	50	47	32	38	26	21	26	31	28	44.3
Marcus Hook*	Maximum	73	70	69	71	74	77	76	72	78	75	77	66	74	75	74	76	72	67	76	76	76	76	70	64	....	64	52	59	59	55	64	70.2[a]
	Minimum	53	57	48	48	51	62	66	63	63	64	51	41	51	61	60	62	48	46	53	56	56	56	51	44	....	29	30	39	48	33	50	51.3[a]
Meadville	Maximum	61	61	63	69	77	78	87	74	78	84	65	51	56	75	75	74	65	51	66	77	74	70	47	64	65	62	41	47	51	54	57	65.1
	Minimum	49	41	34	30	46	56	59	58	46	62	47	35	39	42	52	46	50	38	41	51	54	46	40	31	36	30	28	19	36	36	25	42.0
Montrose	Maximum	57	59	59	64	68	61	67	73	74	76	62	49	41	55	65	66	60	56	55	74	73	72	64	51	56	48	37	45	45	45	47	58.8
	Minimum	41	43	36	38	41	46	56	56	48	55	48	31	29	37	50	55	55	38	39	44	50	53	39	38	32	26	16	20	28	31	25	40.1
Mount Pocono	Maximum	58	58	57	59	63	62	63	62	66	64	59	50	50	45	58	60	60	58	57	72	69	64	58	50	52	50	38	44	47	43	41	56.0
	Minimum	42	40	37	32	47	42	55	56	46	53	45	36	30	39	44	56	56	38	38	41	63	53	41	41	27	28	17	13	24	24	27	39.7
Philadelphia*	Maximum	69	75	69	68	70	75	76	71	71	77	66	66	62	69	75	73	70	56	66	76	75	78	68	62	64	60	42	52	57	52	54	66.6
	Minimum	56	53	56	50	51	52	62	65	62	62	54	50	43	52	59	58	56	48	46	52	55	60	54	50	46	34	29	34	42	39	34	50.5
Pittsburgh*	Maximum	58	62	62	72	76	78	72	71	77	67	56	55	73	75	76	66	61	47	66	76	72	68	47	59	67	58	39	47	54	49	58	63.4
	Minimum	50	46	45	44	52	57	61	63	58	56	48	41	38	52	57	59	45	38	41	49	53	45	42	41	36	31	27	28	37	34	30	45.3
Quakertown	Maximum	66	68	63	66	68	70	75	69	71	74	68	63	56	63	70	70	69	61	61	71	76	75	69	56	58	56	45	48	54	52	51	63.9
	Minimum	48	42	45	31	34	38	54	60	64	58	53	42	34	43	48	57	60	45	32	38	42	48	50	48	27	39	22	15	25	39	26	42.2
Reading*	Maximum	65	69	66	68	71	71	78	69	72	74	65	63	58	63	72	70	68	54	65	80	76	78	68	60	61	58	44	53	58	51	55	65.3
	Minimum	52	51	50	43	46	52	63	64	59	60	52	48	40	49	58	59	54	46	44	54	60	62	50	46	38	34	30	24	35	38	34	48.2
Ridgway‡	Maximum	60	63	62	67	75	74	71	74	78	69	55	48	58	73	74	69	63	49	64	76	73	69	46	55	65	54	43	47	54	42	58	62.2
	Minimum	43	36	33	27	34	43	56	56	45	47	48	38	33	37	41	46	49	39	36	44	39	46	39	37	26	28	15	13	19	36	19	37.0
Scranton*	Maximum	62	63	61	67	72	66	67	72	78	73	62	53	50	57	67	71	65	50	61	77	78	77	52	54	60	54	39	49	52	47	48	61.4
	Minimum	49	43	38	36	40	48	63	62	51	59	48	39	38	45	57	60	50	46	44	43	55	52	45	40	32	30	23	21	31	35	32	43.7
Selinsgrove	Maximum	76	65	65	67	70	65	71	71	73	75	70	60	59	63	69	69	69	67	66	78	75	76	67	60	60	56	40	47	56	52	52	64.5
	Minimum	47	41	41	36	41	35	63	59	62	59	55	45	35	43	55	60	59	43	40	43	48	53	45	43	34	38	27	20	29	39	26	44.0
Somerset	Maximum	54	63	61	66	71	76	72	70	70	68	61	57	66	72	74	64	60	47	61	67	64	63	60	47	60	54	33	47	47	46	60	60.7
	Minimum	46	37	32	28	36	40	56	55	57	56	46	41	30	33	40	53	47	35	38	40	33	36	43	41	25	33	18	15	34	33	23	38.1
State College	Maximum	58	60	61	65	69	67	70	68	71	71	64	50	57	66	71	66	65	52	62	77	76	72	64	56	59	53	45	47	54	49	53	61.9
	Minimum	46	40	39	33	44	46	59	58	51	59	47	41	34	38	52	59	52	40	40	45	50	50	42	41	31	36	22	18	31	35	27	42.1
Stroudsburg‡	Maximum	65	68	69	68	70	70	70	71	76	73	66	57	57	52	65	68	71	57	65	77	76	76	52	59	60	50	41	48	58	53	58	63.4
	Minimum	45	41	38	36	34	39	45	58	53	54	40	45	31	38	43	50	57	45	36	36	42	46	47	45	28	34	23	14	18	29	28	39.3
Towanda	Maximum	63	65	65	68	74	66	74	78	74	73	65	52	48	65	72	70	66	53	63	79	78	76	51	56	61	54	40	50	52	48	49	62.9
	Minimum	47	40	34	30	36	45	60	55	49	57	49	36	32	40	56	55	51	42	42	41	48	51	41	39	29	31	25	18	28	34	25	40.8
Uniontown	Maximum	60	70	67	77	79	74	77	73	83	72	69	66	78	82	78	69	64	52	71	82	77	76	63	60	72	61	45	52	58	51	67	68.5
	Minimum	47	41	43	41	48	55	60	63	62	61	52	45	39	43	55	58	51	41	44	52	45	51	52	45	32	38	27	26	36	40	23	45.6
Vandergrift*	Maximum	62	62	65	72	80	73	72	80	70	71	[illegible]	58	74	76	77	68	64	52	68	78	76	72	50	57	70	62	44	48	50	55	60	66.3
	Minimum	46	42	40	48	59	51	60	56	60	51	40	39	44	55	57	57	49	44	41	49	47	47	44	38	34	32	26	21	38	31	27	44.3
Warren	Maximum	60	58	61	65	70	71	73	71	72	78	58	56	64	64	70	72	68	58	68	76	70	54	47	50	66	62	36	38	52	52	48	61.7
	Minimum	55	42	40	32	45	54	60	55	51	66	50	36	39	43	53	50	58	46	50	51	51	54	40	42	40	36	25	22	38	36	28	44.8
Waynesburg	Maximum	61	70	68	74	78	79	76	75	84	75	66	67	76	77	78	70	62	51	69	79	74	70	51	60	70	62	45	50	57	53	62	67.7
	Minimum	53	39	38	34	46	56	59	62	62	51	46	37	42	37	42	50	57	51	40	38	48	50	54	44	42	32	34	28	23	37	40	44.5
Wellsboro	Maximum	55	50	50	65	70	67	72	75	75	70	60	60	49	66	70	70	65	53	59	77	76	74	54	62	59	50	35	45	52	43	59	60.8
	Minimum	39	37	32	28	35	47	56	54	40	57	50	34	32	38	49	52	48	40	39	38	46	48	38	38	26	30	23	13	26	32	34	38.6
Williamsport	Maximum	62	68	67	68	71	66	69	74	83	66	56	53	44	64	71	61	67	65	67	80	75	72	66	61	58	54	44	45	57	53	50	64.3
	Minimum	47	43	37	34	39	49	58	59	55	57	54	42	38	44	55	61	59	43	41	40	50	49	44	44	33	34	28	19	28	40	26	43.5
Williamstown	Maximum	62	66	64	67	68	65	69	66	71	72	72	76	72	59	60	64	67	68	69	64	76	75	72	54	61	58	40	47	52	52	55	64.2
	Minimum	44	44	43	46	47	50	59	60	56	55	52	44	34	46	46	44	56	40	38	50	51	55	42	41	40	38	23	24	34	37	27	44.0
York	Maximum	68	69	65	70	70	72	73	74	73	75	74	65	61	69	70	69	70	67	65	77	74	78	72	57	61	60	45	48	57	53	54	66.3
	Minimum	52	43	53	35	43	52	63	63	63	63	55	48	39	45	61	60	60	46	39	42	46	58	53	48	31	44	28	18	27	37	26	46.5

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* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

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CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA. PA.

VOL. XLI. NOVEMBER, 1936. No. 11.

GENERAL SUMMARY.

November began with unseasonably mild conditions, and the high temperature for the month was recorded at most stations on the 3d. Temperatures fell rapidly on the 4th, and after that date they were almost constantly below the normal to the end of the month. Lowest temperatures for the month were generally recorded during short cold periods that centered about the 19th and 28th respectively. The extremes were a little less than usual, the high temperature having been exceeded in eight of the last ten Novembers, and a lower temperature having been recorded in five of the last ten Novembers, with much lower on three of those occasions. The precipitation was about four-fifths of the November normal, the deficiency being due chiefly to the large deficiencies that were recorded at stations south and east of the Blue Ridge mountains. Departures in the mountain regions and in the Ohio drainage area were mostly on the plus side of the normal. The heaviest precipitation occurred on the 4th and 5th, while temperatures were dropping from the high point of the month to a moderate deficiency. It began as heavy rains and changed to heavy snows in some regions. The snowfall was unusually heavy in the northwestern portion of the State, being in excess of twenty inches in most of Warren, and portions of Crawford and Venango Counties. The light rainfall in the southeastern portion of the State, following a similar condition for October, reduced the surface water supply far below the normal, and caused considerable anxiety in some sections. The top soil became too dry for best results with the winter grains, which were none too well established in some regions when the growth was stopped by the cold period that centered about the 19th. The month as a whole was favorable for outdoor pursuits. Field work made fair progress, for the season, and was drawing to a close at the end of the month. Corn was mostly husked and fodder mostly hauled in. Plowing continued in some of the southern counties. Road word made fair progress throughout the month, especially in the southern part of the State, but suffered some delay in regions that were covered by a snow blanket. There were no damaging local storms during the month. The highest wind velocities generally occurred during the first cold wave, that centered about the 19th, and were not of a character to do more than minor damage.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 88 stations, was 38.6°, which is 2.7° below the 49-year normal. The highest monthly mean was 45.8°, at Marcus Hook, and the lowest 32.8° at Gouldsboro. The Highest temperature for the month was 78° and occurred at Hamburg, Newell and Philadelphia Navy Yard on the 4th, and at Lebanon, Marcus Hook, and Uniontown on the 3d. The lowest temperature was 2°, and occurred at Gouldsboro and Hawley on the 28th. The greatest daily range in temperature was 50° at Clearfield on the 12th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 140 stations, was 2.40 inches, which is 0.47 inch below the 49-year normal. The greatest monthly amount was 5.53 inches at Westford, while the least, 0.59 inch, was recorded at New Park. The greatest amount recorded in any 24 consecutive hours was 2.20 inches at Morris Run on the 3d-4th.

Snowfall for the State averaged 3.4 inches, which amount is 0.8 inch above the 49-year normal for the month. The greatest monthly snowfall was 23.8 inches at Warren; the greatest amount for 24 hours was 8.0 inches at New Castle on the 5th.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	42.2	79	4	3.37	2.1	11	9	7	14
1889	41.8	73	10	6.72	0.7	15	5	8	17
1890	41.8	78	10	1.49	0.5	8	9	10	11
1891	39.7	76	6	2.65	1.2	9	9	8	13
1892	39.0	80	10	4.34	8.6	12	6	8	16
1893	39.2	68	−4	2.93	2.4	8	8	11	11
1894	38.2	74	6	2.50	5.3	9	10	9	11
1895	42.9	78	6	2.48	0.5	10	10	8	11
1896	46.0	83	12	3.55	1.1	10	8	9	13
1897	41.6	76	2	5.28	2.6	14	6	8	16
1898	40.0	73	8	4.03	6.9	11	8	9	13
1899	41.5	72	7	2.66	1.2	7	10	8	12
1900	43.5	79	7	4.10	3.1	12	6	9	15
1901	36.0	76	9	2.56	3.1	8	7	8	15
1902	47.3	78	0	1.53	1.5	8	10	8	12
1903	36.9	78	2	2.18	1.4	7	11	8	11
1904	38.8	79	−4	1.14	3.5	6	10	9	11
1905	39.1	68	5	2.47	0.9	9	11	8	11
1906	41.5	80	9	1.48	4.0	8	12	6	12
1907	39.8	70	4	3.60	2.9	10	13	8	9
1908	41.2	75	−2	0.90	5.0	5	12	8	10
1909	46.4	80	15	1.40	1.9	7	12	8	10
1910	36.8	68	9	2.45	8.5	11	4	7	19
1911	37.8	77	7	2.84	3.7	10	7	7	16
1912	43.0	81	7	2.17	1.9	7	10	8	12
1913	43.9	79	10	3.05	4.5	11	10	5	15
1914	40.6	81	−2	1.76	1.5	6	12	9	9
1915	42.1	79	13	2.18	1.3	10	10	9	11
1916	41.3	79	4	2.27	1.6	9	13	6	11
1917	37.6	69	−5	0.63	1.4	5	14	7	9
1918	42.1	76	11	2.03	T.	7	12	6	12
1919	41.2	76	11	5.35	2.3	12	11	7	12
1920	40.3	75	5	3.54	4.5	11	7	7	16
1921	42.3	80	3	5.75	1.4	16	5	7	18
1922	42.9	73	12	1.21	1.8	9	10	7	13
1923	40.7	70	10	2.83	0.3	10	12	5	13
1924	40.7	78	−9	1.54	2.9	7	12	8	10
1925	39.5	71	4	3.56	2.2	10	11	7	12
1926	40.4	79	−1	4.49	0.9	10	9	7	14
1927	46.2	85	10	4.95	1.8	14	7	7	16
1928	43.4	81	4	2.32	2.3	12	7	8	15
1929	41.1	81	−10	3.39	1.9	12	8	8	14
1930	42.0	75	−15	1.48	2.3	9	10	7	13
1931	49.2	80	12	1.52	2.9	9	10	8	12
1932	39.4	75	−2	4.75	0.3	10	12	7	11
1933	38.1	83	−11	1.55	7.0	11	8	7	15
1934	44.9	80	6	3.61	1.8	12	9	7	14
1935	44.4	85	5	3.84	2.5	12	7	6	17
1936	38.6	78	2	2.40	3.4	8	9	8	13
Period	41.3	85	−15	2.87	2.6	10	9	8	13

Climatological Data for November, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	39.8	−2.6	76	3	18	28	34	1.47	−1.29	0.58	1.5	5	13	15	2	sw.	John A. Frick.
Altoona	Blair	1,615	49	38.9	−1.7	70	3	11	19	31	2.54	+0.12	1.39	2.0	7	8	8	14	w.	John J. Martin.
Ardmore	Montgomery	350	16	40.7	−3.7	75	4	15	28†	31	0.91	−2.53	0.38	0.3	5	10	10	10	......	H. L. Balderston.
Arendtsville	Adams	700	14	38.0	−4.5	73	3	13	28	39	1.02	−1.73	0.75	0.6	6	14	10	6	w.	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	40.2	......	74	3	12	19	36	2.44	....	1.93	T.	4	12	2	16	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	41.0	−3.4	75	3	17	19	27	1.40	−1.47	0.44	2.5	6	9	4	17	nw.	Lehigh University.
Carlisle	Cumberland	467	70	40.6	−0.9	75	3	15	19†	33	1.05	−1.27	0.53	2.0	4	9	7	14	sw.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	38.8	−3.7	76	3	12	19	32	2.39	+0.08	1.85	1.0	5	10	4	16	......	W. L. Gearhart.
Center Hall	Center	1,272	40	38.6	−1.9	70	3	8	19	35	3.00	+0.86	1.85	1.9	8	10	6	14	......	Edward E. Bailey.
Chambersburg	Franklin	580	37	41.2	−1.0	74	3	15	19	31	1.53	−0.72	0.56	1.2	7	6	12	12	sw.	William B. Spear.
Clearfield	Clearfield	1,120	29	37.4	−3.8	71	4	7	19	50	2.90	−0.07	1.56	4.9	12	7	10	13	nw.	E. W. Hess.
Coatesville	Chester	380	49	37.7	−5.2	64	3	15	28	28	1.15	−1.79	0.44	1.0	6	9	3	18	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	25	37.8	−3.9	74	3	10	28	32	1.14	−1.29	0.68	1.5	5	11	3	16	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	36.8[b]	−2.5	73[c]	3	5	19	40[c]	3.29	+0.45	1.55	3.4	10	11	4	15	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	40.8	−2.4	74	3	17	19	30	1.30	−0.96	0.40	0.9	5	8	9	13	n.	Ira J. Keath
Freeland	Luzerne	1,970	43	34.8	−2.4	69	3	10	19	29	3.10	−0.03	1.69	5.9	9	3	5	22	w.	Andrew B. Evansha.
George School	Bucks	190	30	42.2	−1.5	75	3	14	19	33	0.77	−2.10	0.32	T.	7	11	11	8	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	42.2	−0.1	75	3	18	19†	30	0.96	−1.44	0.62	T.	5	11	9	10	w.	Dr Henry Stewart
Gordon	Schuylkill	840	32	37.6	−2.3	72	3	9	28	34	2.42	−0.76	0.86	4.0	6	13	0	17	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	32.8	−3.1	68	3	2	28	31	2.69	−0.53	1.11	7.0	7	14	5	11	w.	Ronald H. Marshall,
Hamburg	Berks	535	43	40.0	−1.8	78	4	16	28	33	1.18	−1.63	0.50	0.4	5	8	15	7	nw.	State Sanatorium.
Hanover	York	600	32	42.6	−2.3	77	3	16	19	29	1.47	−0.79	0.95	0.7	5	9	6	15	w.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	40.6	−2.2	75	3	16	30	34	1.35	−0.91	0.78	1.5	7	3	10	17	w.	U. S. Weather Bureau.
Hawley	Wayne	900	18	33.8	−5.5	71	3	2	28	35	2.09	−0.54	1.10	3.5	9	12	7	11	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	42.4	−2.8	73	3	21	19	20	0.65	−1.54	0.27	T.	6	14	4	12	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	40.0	−1.8	73	3	12	19	39	2.53	+0.30	1.54	T.	4	5	7	18	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	34.0	......	69	3	6	19†	32	2.61	....	2.00	2.8	12	7	7	16	sw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	41.1	−2.1	76	3	15	19†	35	1.01	−1.37	0.35	T.	6	12	11	7	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	36.2	−3.0	73	3	9	19†	39	2.37	+0.10	1.15	8.0	7	7	10	13	......	C. P. Darling.
Lebanon	Lebanon	469	52	39.0	−3.6	78	3	15	19†	39	1.18	−1.33	0.67	1.5	5	13	10	7	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	39.3	−2.8	74	3	11	19	31	2.53	+0.42	1.16	0.7	9	5	12	13	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	10	45.8	−1.8	78	3	13	30	34	0.71	....	0.28	T.	4	18	3	9	w.	Sun Oil Co.
Mauch Chunk	Carbon	600	47	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	R. K. Wintermute.
Mt. Pocono	Monroe	1,720	30	34.2	−2.0	66	3	3	30	27	2.60	−0.61	1.10	8.0	9	5	8	17	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	34.2	−5.2	68	3	8	19	32	3.31	+0.54	1.67	1.7	6	10	11	9	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	40.1	−2.7	77	3	13	19	36	0.74	−2.29	0.35	T.	5	20	5	5	sw.	Philadelphia Sub. Water Co
Palmerton	Carbon	398	18	37.9	−4.5	73	3	12	30	35	1.59	−1.00	0.72	1.9	10	8	11	11	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	43.5	−2.2	77	4	20	19	30	0.69	−2.01	0.38	T.	5	10	10	10	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	41.2	−2.3	75	3	14	28	34	1.14	−1.85	0.44	T.	7	9	17	4	nw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	51	38.9	−2.5	75	3	15	19†	33	1.38	−1.76	0.45	2.3	8	10	7	13	w.	John E. Benner.
Reading	Berks	273	66	41.6	−0.9	75	3	17	30	33	1.17	−1.56	0.54	1.5	8	6	13	11	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	36.7	......	74	3	9	19	30	2.34	....	1.28	6.5	7	8	11	12	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	37.6	−2.9	75	3	10	30	30	2.59	−0.18	1.80	3.8	10	2	14	14	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	38.2	−3.6	72	3	13	19	30	2.67	+0.20	1.63	1.0	9	7	12	11	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	43.1	−2.1	76	3	18	19†	30	0.65	−2.18	0.29	T	7	1	11	18	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	3	40.3	......	73	3	16	19	30	1.69	....	0.72	2.0	5	8	5	17	sw.	State Teachers College
State College	Center	1,217	52	37.8	−2.2	74	3	10	19	36	2.24	−0.07	1.33	T.	5	6	17	7	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	36.0	−4.7	75	3	8	30	36	1.74	−1.45	0.86	3.9	7	17	2	11	w.	State Normal School.
Towanda	Bradford	754	42	37.0	−2.8	74	3	11	30	35	2.90	+0.76	1.86	2.7	8	4	11	15	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	66	34.7	−2.9	70	3	8	19†	35	2.35	+0.12	1.60	4.9	10	15	6	9	nw.	George W. Hill.
West Chester	Chester	455	87	42.0	−1.1	76	4	15	19	29	1.13	−1.95	0.45	0.3	8	8	6	16	sw.	Harlan Saylor.
Williamsport	Lycoming	521	50	38.8	−2.4	73	3	14	19	32	2.54	+0.17	1.37	0.8	8	13	4	13	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	21	39.4	−2.7	72	3	11	19	35	2.05	−0.78	0.91	1.0	4	6	13	11	sw.	Susquehanna Collieries Co
York	York	400	48	41.0	−2.2	76	3	13	19	32	1.75	−0.48	0.75	T.	6	11	14	5	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	46	36.3[b]	−1.5	72	3	6[e]	19	41[e]	3.82	+0.93	1.33	8.0	16	2	3	25	......	Frank S. Fawcett.
Butler	Butler	1.077	23	37.2	−0.6	70	1†	11	19†	40	2.95	+0.15	......	4.0	8	12	8	10	w.	William C. Faust.
Chambersville	Indiana	1,047	35	38.4	−2.8	74	3	10	19	46	2.75	−0.02	1.44	4.0	11	8	2	20	w.	John E. Lewis.
Clairton	Allegheny	1,020	4	37.9	......	73	3	13	30	33	2.28	....	1.98	0.1	5	6	4	20	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	39.0	−3.4	74	3	14	19	41	3.00	+0.50	1.95	0.5	9	14	3	13	s.	J. L. Melvin.
Corry	Erie	1,430	23	34.0	−4.7	68	3	5	30	31	4.60	−0.06	1.27	14.8	16	8	9	13	nw.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	40.2	−1.9	74	3	11	27	38	3.18	+0.55	1.51	2.1	7	11	9	10	s.	Ted R. Wineman.
Donora	Washington	762	10	42.0	−3.3	76[e]	3	20	27	33	3.24	+0.67	1.34	T.	7	9	13	8	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	38.0[b]	−0.8	61[e]	2	9	19	36[e]	2.54	−0.34	1.59	7.0	9	11	11	8	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	36.3	−2.5	70	3	8	19†	48	3.70	+0.88	2.00	7.0	6	9	3	18	w.	J. S. Stevanus.
Franklin	Venango	957	62	34.7	−4.9	70	3	9	19	45	4.24	+1.31	1.10	22.5	13	7	2	21	w	R. L. Walters.
Greensburg	Westmoreland	1,150	27	39.6	−3.4	73	3	14	19	35	3.20	+0.80	1.63	1.3	10	5	12	13	sw.	Westmoreland Water Co.
Greenville	Mercer	950	40	......	......	68	3	......	......	....	2.93	0.00	0.85	6.3	15	11	2	17	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	36.5	−4.0	74	2	11	27	33	2.98	−0.05	0.98	8.7	15	8	7	15	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	39.0	−3.2	73	3	13	19†	37	3.25	+0.96	1.58	T.	9	22	3	5	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	39.8	−2.2	73	3	17	27	39	1.37	−1.51	0.66	3.0	8	7	9	14	sw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	4	34.1	......	69	3	3	19	39	2.56	....	1.36	18.0	15	10	6	14	w	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	44	38.8	−3.7	69	2	13	19	32	3.12	+0.45	1.75	2.4	7	5	8	17	w.	Westmoreland Water Co.
Meadville	Crawford	1.080	42	36.6	−2.5	68	3	10	27	29	3.22	−0.32	0.93	20.1	16	8	4	18	w.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	39.4	......	72	3	16	19†	28	3.09	....	1.88	T.	7	6	6	18	nw.	Perry P. Campbell
New Castle	Lawrence	808	56	36.8	−3.4	70	4	10	27	39	3.18	+0.83	1.15	9.4	13	4	10	16	nw.	New Castle Water Co.
Newell	Fayette	800	16	41.7	−2.7	78	4	14	30	33	2.56	+0.39	1.00	T.	4	9	14	7	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	38.2	−5.0	74	3	14	30	30	2.65	+0.36	1.87	1.2	9	6	8	16	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	33.9	−4.5	71	3	6	19†	44	3.66	+0.96	1.32	5.2	14	7	4	19	s.	West Penn. Power Co.
Sharon‡‡	Mercer	940	23	37.4	−4.0	69	3	12	30	30	2.61	+0.38	0.95	1.2	12	5	7	18	s.	Harry H. Gerber.
Somerset	Somerset	2,190	69	34.6	−4.2	67	3	8	23	40	2.90	−0.28	1.55	5.1	10	8	8	14	sw.	D. L. Grove.
Uniontown	Fayette	1,100	48	41.8	−2.0	78	3	15	19	40	4.08	+1.15	1.80	T.	10	7	10	13	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	39.4	−3.4	76	3	14	30	37	2.69	+0.15	1.85	0.6	7	20	5	5	......	Carnegie-Illinois Steel Corp
Warren	Warren	1.180	47	35.9	−3.3	68	3	10	30	26	5.03	+1.67	1.10	23.8	17	7	8	15	nw.	Mrs. Anna Simpson,
Waynesburg	Greene	1,035	5	40.6	......	74	3	14	19	39	3.21	....	1.70	T.	5	5	11	14	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	37.5	−3.8	70	3	8	30	26	4.11	+0.81	1.31	13.4	19	5	6	19	nw.	U. S. Weather Bureau.
For the State	......	......	49	38.6	−2.7	78	3†	2	28	50	2.40	−0.47	2.20	3.4	8	9	8	13	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-11-23-36-1050.

Daily Precipitation for November, 1936

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	T.	.02		.26	.58				.41				T.		T.	T.								.20		T.						1.47
Altoona	Juniata		.40	.04	1.39	.51				T.						.05							T.	.10			T.	.05					2.54
Ansonia‖‖	W. Br. Susq		.06	.26	.58	1.09				.03						.16	.01		T.				T.	.01	.10		T.		T.	.06	.01		2.87
Ardmore	Lower Del				.30				.38							.04									.15	.04							0.91
Arendtsville	Lower Susq		.04		.19	.56			.16						.01									.06									1.02
Baker's Summit	Juniata		.37	.10	1.40	.65			.04								.06																2.62
Bedford	Juniata		.39		1.39	.54			.12							T.	T.						T.		T.			T			T.		2.44
Bellefonte	W. Br. Susq	T.	.31	.03	1.83	.23			.01						.03	.02	T.					T.	T.	T.	.08		.01	T.	T.	T.	T.		2.55
Bethlehem	Lehigh		.01		.44	.31			.26	.18			T.			T.									.20								1.40
Bloserville‡‡	Lower Susq		.30			1.10											T.								.10								1.50
Buffalo Mills‖‖	Juniata		.26		.81	1.28				.10						.21																	2.66
Carlisle	Lower Susq		.10	T.	.53				.18							T.	T.								.24		T.		T.				1.05
Catawissa	N. Br. Susq		.15		1.85				.12		T.					.15	T.						T.		.12								2.39
Center Hall	Susquehanna		.38	.12	1.85	.42											.12							.07			T.	.02		.02			3.00
Chambersburg	Potomac		.09		.56	.39			.14	.03						.18									.14								1.53
Clearfield	W. Br. Susq	.05	.10		1.56	.70			T.						.05	.20	.05	T.				T.	.02	.02	.03	.10	T.		.02	T.	T.		2.90
Coatesville	Lower Del		T.		.20	.44			.30							T.	.01								.15	.05							1.15
Colebrook	Lower Susq		.05		.48	.20			.25	T.	T.					T.	T.						T.		.16			T.					1.14
Conshohocken	Schuylkill					.19			.33	.02							T.								.14	.02	T.						0.70
Doylestown	Lower Del				.10	.28			.27	.10						T.									.19	T.							0.94
Emporium	W. Br. Susq		.68	.03	1.55	.50					.03				.07	.12							.02		.12				.17				3.29
Ephrata	Lower Susq		.02	T.	.32	.40			.39	T.			T.				T.								.17	T.							1.30
Forest City	N. Br. Susq			.34	.51	1.41				.20						.02	.08				.23		.02	.04	.22	T.				.11	T.		3.18
Freeland‖‖	Lehigh		.05	.06	.71	1.69				.18		T.				T	.26			T.					.12		.01	T.	T.	.02	T.		3.10
Galeton	W. Br. Susq		.46	.02	1.30	.60				.04	.04				.07	.28	T.		T.			T.	T	T.	.29		T.		.10	.09			3.29
George School	Lower Del				.02	.22			.22	.10							T.								.18	.02	.01						0.77
Gettysburg	Potomac		T.	T.	.18	.44			.21	.01															.12								0.96
Girardville‖‖	Lower Susq	.07	.09	.55	1.19											.21								.19					.03				2.33
Gordon	Lower Susq		.34		.86	.78			.20							.04									.20								2.42
Gouldsboro‖	Lehigh		.16	.52	1.11				.20		T.					.30							.10	.30									2.69
Graterford	Schuylkill		.02		.22	.63			.14	.21							T.									.06	.03						1.31
Hamburg	Schuylkill		.04		.50	.30			.30							T.	T.								.04			T.					1.18
Hanover	Lower Susq			T.	.57	.38			.30	.05			T.			T.							T.		.17	T.		T.	T.				1.47
Harrisburg***	Lower Susq	.08	.01	.11	.76				.20							T.	T.		T.				T.	.08	.11		T.	T.		T.	T.		1.35
Hawley‖‖	Upper Del	T.	.06	.10	.33	1.10				.14						T.	.07	.01						T.	.26		.02	T.		T.	T.		2.09
Hollisterville	Upper Del		T.	.05	.47	1.58				.15	.02					.03	.59		.02				.01	.05	.20		.10		T.	T.	T.		3.27
Holtwood‖	Lower Susq		.02		.14	.14			.25	.02						T.									.08								0.65
Huntingdon	Juniata		.34	T.	1.54	.64			T.		.01					T.	T						T.		T.			T.					2.53
Hyndman	Potomac																																
Kylertown***	W. B. Susq	.06	.35	.15	1.85	.01					T.				T.	.05	.06		T.			T.	.04	.01	.01	.01	.01	T.	T.	T.	T.		2.61
Lakeville‖‖	Upper Del		.01	T.	.50	1.23			T.	.10	T.					.01	.10					T.		.01	.20	T.							2.16
Lancaster	Lower Susq	T.	.01		.17	.35			.30	.04						T	T.								.14								1.01
Lansford‖‖	Lehigh			.12	.41	1.13				.30							.04								.21				T.				2.21
Lawrenceville	N. Br. Susq		.20		1.15	.55									T.	.10	T.						.10	.05	.22		T	T	T.	T.			2.37
Lebanon	Lower Susq	.04	T.	.25	.42			T.	.27							T.	T.							.20			T.						1.18
Lehighton‖‖	Lehigh		T	T.	.55	.95				.29							.05								.03	.40							2.27
Lock Haven	W. Br. Susq		.25	.02	1.16	.83										.14	.06						T.		.03		.02	T.	.02				2.53
Marcus Hook	Lower Del					.24			.28							T.									.12		T.	.07			T.		0.71
Matamoras‖‖	Lower Dela	.09	.18	.65	.47					.28							.07								.24								1.98
Mauch Chunk	Upper Del																																
Montrose	Lehigh		.12		1.58	.81										.17							.01		.16			T.	.30	T.			3.15
Morris Run	Susquehanna		.32		1.60	.60				T.						.27								.05	.06			.03	.06	T.			2.99
Mount Pocono	N. Br. Susq		.03	T.	.25	1.10			.25								.05							.20	.50	.10				.12			2.60
Muncy Valley	Upper Del		.18		1.67	1.13										.24	T.		T.						.04		T.		.05				3.31
Neshaminy‖‖	W. Br. Susq	T.	T.		.04	.17			.35							T.								T.	.15	.03		T.					0.74
New Park	Lower Del				.46								.13			T.									T.								0.59
Newport‖‖	Lower Susq		.03	.15	.75	.95				.05						.03									.17								2.13
Palmerton‡	Juniata	.04	.01	.26	.72	.05			.30				T.		T	.03							T	.02	.12	.04				T.			1.59
Paupack‖‖	Lehigh		.08	.08	.38	1.13				.20							.45						.05		.25		.02		.05				2.69
Philadelphia***	Upper Del	T.			.06	.11			.38							T.	T.							T.	.11	.03		T.		T.			0.69
Phila. Navy Yard‖‖	Lower Del	T.	.01		.13	.11				.38				.01			T.								.14		.04						0.82
Phila-P'nt Breeze.‡	Lower Del	T.			T.	T.			.53							T.	T.					T.	T.		.10	.03	T.			T.			0.66
Phoenixville	Schuylkill	T.	.01		.11	.44			.21	.14							T.								.15	.08							1.14
Pine Grove	Lower Susq	.05	.12	.17	1.27				.24							.03	T						T.	.05	.05								1.98
Pleasant Mt.‖‖	Upper Del		.22		1.85		.15										.27						.41					.33					3.23
Pottstown	Schuylkill																																
Pottsville	Schuylkill	T.	.10	.03	.94	.67			.25	.01	T.					T.	T.	T.							.20								2.20
Quakertown	Lower Del		.02	T.	.45	.40			.32	.09						.02									.06					T.	T.		1.38
Reading***	Schuylkill	T.	.01	.04	.52	.04			.39		T		T.		T.	.01	T.						T.	.07	.09	T.			T.	T.			1.17
Renovo.‖‖	W. Br. Susq		.30	.22	.77	1.16										.11	.02												T.	.04			2.62
Retreat	N. Br. Susq		.09		1.28				.14							.24							T.	.03	.40		T		.16				2.34
Scranton***	....do	T.	.03	.09	1.74	.08			.17		T.				T.	.27	T.		T.				.01	T.	.16	.01	T.		.03	T.	T.		2.59
Selinsgrove	Lower Susq	.02	.20	.01	1.63	.59			.01							.04	.01						T.		.16		T.		T.				2.67
Shawmont	Schuylkill		.02		.05	.12			.20	.09							T.								.14	.03							0.65
Shippensburg	Lower Susq		.11	T.	.72	.48			.19	T.						T.	T.						T.		.19		T.	T.					1.69
State College	W. Br. Susq	T.	.24	.10	1.33	.55			T.						T.	.02	T					T.	T.	T.	T.	T	T.	T.	T.	T.	T.		2.24
Stroudsburg‖‖	Upper Del		.09	.01	.19	.86		T.		.32							T							.04	.23	T.	T.						1.74
Sunbury‖‖	Lower Susq		.03	.15	.86	1.92				.02		T.				T.	T.	T.		T.				T.	.11						T.		3.09
Susquehanna‖‖	N. Br. Susq	T.	.03	*	.62	1.61				.02	.21					.03	.10	.03	T					.01	.20		T.	.01		.07	T.		2.94
Towanda	....do		.34	.06	1.86	.44				T.	T.			T.	.02	.04	T.		T.				.04		.10		T.	T.	T.	T.	T.		2.90
Weikert	Lower Susq		.05	.10	1.37	.85											.05								.05								2.47
Wellsboro	W. Br. Susq		.30	.02	1.60	.20			T.	T.	T.					.08			T.			T.	.02		.08		.03		.01	.01			2.35
West Chester	Lower Del	T.	.01		.04	.45			.26	.09							.02						T.		.18	.08	T.		T.	T.			1.13
Westgrove‖‖	....do				.03	.42				.34							.04								.12								0.95
Wilkes-Barre‖‖	N. Br. Susq		T.	.03	.55	1.37				.13						.04	.38						T.	T.	.15					.03			2.68
Williamsport‖‖	W. Br. Susq			.15	.79	1.37					.04					.06	T.								.07					.03	.03		2.54
Williamstown	Susquehanna	T.	.29		.81	.91			T.							T	T.								.04				T.				2.05
York	Lower Susq		.02	T.	.75	.32			.31	.04						T.	T.						T.		.31								1 75
York Haven‖‖	Lower Susq		.03	.02	.22	.27				.25															.18								0.97
Zionsville..(near).	Schuylkill				.50	.31			.37	.09															.31		1.00						2.58
Trenton, N. J***	Lower Del	T.	T.		.09	.15	T.		.30						T.	T.							T.	.01	.19	.01			T.	T.			0.75

Continued on page 54.

Daily Precipitation for November, 1936—Continued from page 53

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	.01	.02	.31	.84	.94					T.					.05	.02						T.	.01	.02	T.	.02	.03	T.	T.	T.		2.27
Bradford	Allegheny	T.	.87	.13	1.17	.54				.03	.08				.30	.73	.14		T.			T.	.14	.02	.23	T.	.07	.03	.11	.14	.07		4.80
Brookville‖‖	do		.30	.36	.83	1.33				.02						.19	.10	.01					T.	.14	.19	.01	.03	.03	.07	.08	.13		3.82
Butler	Ohio	.53		*	2.12						T.				T.	.20	T.						T.		.03	.01		.05		.01			2.95
Chambersville	Allegheny	T.	.34	.09	1.44	.44					T.					.08	.09						.04	.03	.16		T.	.02	.02				2.75
Clairton‡	Monongahela	.02	.05	.22	1.98				T.						T.	T.							T.			.01	T.	T.	T.		T.		2.28
Claysville	Ohio	.05	.40	.17	1.95	.26				.01						.14							.01		T.	.01	T.						3.00
Confluence‖‖	Youghiogheny		.50	.10	.70	1.30				.20						.20	.18										T.	.03					3.21
Corry	Allegheny		1.19	.21	1.27			.10							.17	.67	.21		.01			.09	.11		.01		.10	.15	.05	.11	.15		4.60
Derry	Conemaugh	T.	.68	.21	1.51	.53										.20	.03						.02				T.	T.					3.18
Donora‖‖	Monongahela		.78	.01	1.34	1.00			T.	.01	T.					.09							.01	T.	T.		T.	T.					3.24
Ebensburg	Conemaugh		.07		.55	1.59										.02	.22						T.	.03	.02			.02	.02				2.54
Elk Lick	Youghiogheny	.60			2.00				.40							.30												.20		.20			3.70
Franklin‖‖	Allegheny		.35	.45	.58	1.10			.05							.24	.60					.10		.18	.16		.08	.15	.17		.03		4.24
Greensboro‖‖	Monongahela	T.	.70	.08	.86	1.32				.14						.08	T.						.03		T.		T.	T.	T.				3.21
Greensburg	Youghiogheny	T.	.93	.17	1.63	.35			T.		.01				T.	.06	T.						.02	T.	.01	T.	.01	.01	T.		T.		3.20
Greenville	Beaver	.02	.50	.19	.85	.17			T.						.01	.30	.36					T.	.04	T.	.01	T.	.22	.06	.15	.03	.02		2.93
Grove City	do		.98	.13	.94	.01				T.	.02	.05				.34						.01	.10	.01	.07	.03	.10	.05	.14	T.			2.98
Herrs Isl. Dam‖‖	Ohio	T.	.03	.48	.94	1.20				T	T.					.03	T.						T.	T.	T.	T	.02		.01	T.	T.		2.71
Irwin	Monongahela	.03	.88	.18	1.58	.34			.03							.13	T.						.04	T.	.04		T.	T.					3.25
Johnstown	Conemaugh		.21	.10	.66				T.		T.				T.	.28	T.						.03		.04	.02	T.	.03					1.37
Kane (near) ‡‡	Allegheny	T	.74	.02	1.36	.05	.01				.08				.05	.13	.02						.02	.01	.04	T.	.01	.01	.01				2.56
Kregar‖‖	Youghiogheny	.31	.23	.82	1.24				.08						.05	.08						.02	.06			.01	.06	T.	T.	T.			2.96
Lake Lynn‖‖	Monongahela		.46	.07	.85	1.10				.22						.05	.06						.02				.01	.01					2.85
Linesville‖‖	Beaver																																
Lock No. 2‖‖	Ohio		.02	.53	1.09	1.10										.05	T.						T.		T.		.04		T.	T.			2.83
Lock No. 4‖‖	Monongahela		.22	.38	.90	1.44				.01		T.				.12	T.						.04		T.		.01	T.					3.12
Lock No. 5‡‡‖‖	Allegheny	.05	.05	.35	.83	1.45					.01					.04	.02	T.					T.	.02	.06		.02	.04	.02	T.	T.		2.96
Lycippus	Conemaugh	T.	.63	.03	1.75	.54			T.							.05							.08				.04						3.12
McKeesport‖‖	Monongahela		T.	.54	.82	1.30					T.					.12	T.										T.	T.					2.78
Meadville	Allegheny	.03	.54	.17	.93	.16			T.		T.				.09	.46	.15						.06	.02	.09	.04	.14	.05	.22		.07		3.22
Midland	Ohio	.07	.76	.11	1.88	.22			T.	.02	T.					.03	T.						T.		T.				T.		T.		3.09
Mosgrove‖‖	Allegheny	.02	.06	.25	.84	1.47						T.				.08	.08	T.					T.	.02	.11	T.	.05	.07	.02	.04	.02		3.13
Mount Lebanon	Ohio	.01	.38	.40	1.89	T.			T.						T.	.08	T.					T.	T.			.02	T.	T.	T.				2.78
Natrona‖‖	Allegheny	T.	.04	.36	1.00	1.40				T.						.04	.03	T.					T.	.01	.02	.01	.01	.04	T.	.01			2.97
New Castle‖‖	Beaver	.02	.36	.28	1.15	1.12	.02	.01	T.	T		T.	T.			.07	.06	T.		T.			T.	.03	.02	T.	.01	.03	T.	T.	T.		3.18
Newell	Monongahela	.80		1.00	.70										.06								T										2.56
Parkers Landing‖‖	Allegheny		.15	.52	.84	1.35				T.	T.					.11	.08						T.	.02	.10			.03	.03	T.	T.		3.23
Pennline‖‖‡‡	Beaver	.06	.28	.48	.38	.90				.10						.49	.29		T.				T.	.21	.02	T.	.06	.03	.10	T.	.06		3.46
Pittsburgh***	Ohio	.01	.43	.37	1.73	T.			.01		T.				T.	.06	T.					.01	T.	T	T.	.02	T.	.01	T.	T.	T.		2.65
Punxsutawney‖‖	Allegheny	.20	.26	.89	1.20					T.						.16	.05							.06	.08	.02		.03		.07			3.02
Ridgway	do		.27	.44	.79	1.32				.07	.07					.29	.12	T.	T.				T.	.05	.12		.03	.01	.04	.04	T		3.66
Saltsburg‖‖	Conemaugh		.05	.10	.37	.41				.01							.02						.02	.05				.04					1.07
Sharon‖‖	Beaver		.34	.38	.68	.95				.04	.02					.02	.02		T.					T.			.03	.03	.08		.02		2.61
Smethport‖‖	Allegheny		.30	T.	.88	.50	T.								T.	.02		.02		.04						.46	.10						2.32
Somerset	Youghiogheny	.02	.51	.08	1.55	.35			.10							.15	.07						.06		T.		.01	T.					2.90
Springdale‖‖‡‡	Allegheny		.02	.36	.89	1.38				.01	T.					.09	.04						T.	.02	.03		.03	.03			T.		2.90
Uniontown	Monongahela	.22	1.15	.15	1.80	.31			.18							.20	.01						.04			T.	.02				T.		4.08
Unity Reservoir‡‡	Youghiogheny	.03	.80	.17	1.75	.43			.01		.02					.07	T.						.04	.01	.01	T.	T.	T.					3.34
Vandergrift‡	Conemaugh	.03	.30	.38	1.85	.01										.06								.06		T.	T.	T.					2.69
Warren	Allegheny		.48	.59	1.10	.43									.30	.30	.59		.04			.03	.30	.07	.15		.08	.08	.20	.10	.19		5.03
Waynesburg	Monongahela	.32	.72	.08	1.70	.39										T.							T.			T.	T.						3.21
Westford‖‖	Beaver	.20	.60	.22	.86				.05	.04					.58	.55	.29					.03	.15	.10	.08	.18	.25	.34	.32	.41	.28		5.53
West Newton‖‖	Youghiogheny		.22	.64	.77	1.06				.02	T.					.02	T.						T.	T.	.02		.01	T.					2.76
Lake Drainage.																																	
Erie***	Lake Erie	.29	1.05	.06	1.17				.07		.01				.27	.27	.03		T.			.01	.20	.16	.07	.11	.06	.16	.08	.01	.03		4.11

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.06	30.71	19	29.46	15	14.0	36	sw.	17	82	77	78	22
Harrisburg	30.09	30.67	18	29.46	15	8.3	27	nw.	16	69	53	58	34
Philadelphia	30.09	30.65	30	29 44	15	14.3	40	nw	18	67	51	58	52
Pittsburgh	30.09	30.65	18	29.48	15	12.8	34	nw.	15	78	62	67	54
Reading	30.10	30.68	18	29.46	15	12.6	40	nw.	16	69	55	59	42
Scranton	30.07	30.64	30	29.41	15	7.4	29	nw.	18	76	59	64	39

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.2	7.3	6	2.4	23	18
Phillipsburg	Delaware						22
Lehighton	Lehigh	2.4	3.2	6	2.1	1	7
Wilkes-Barre	Susquehanna	5.6	14.0	6	3.1	30	20
Williamsport	Susquehanna						20
Harrisburg	Susquehanna	4.9	9.4	7	3.8	27	18
Greensboro	Monongahela	12.2	19.1	5	10.8	30	30
West Newton	Youghiogheny	1.8	11.6	5	0.2	29	20
Lock No. 4	Monongahela	12.4	19.0	5	10.9	30	30
Pittsburgh	Ohio		23.7	5	10.8	30	25
Midland	Ohio		27.0	5	9.6*	24	30

* —Pool stage.

Daily Temperatures for November, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	60	60	70	61	43	43	52	50	46	45	50	58	53	58	52	32	49	47	34	54	53	48	34	43	47	38	27	33	37	28	....	46.8
	Minimum	40	51	53	42	33	25	40	35	37	32	21	27	35	31	28	24	27	26	11	27	38	28	17	29	19	22	14	14	24	20	....	29.0
Bedford	Maximum	62	65	74	71	45	44	56	50	49	44	51	58	52	59	56	34	53	51	38	56	56	42	43	39	50	48	49	45	44	40	....	50.8
	Minimum	48	52	53	44	35	23	39	36	37	30	19	22	26	24	28	27	31	30	12	26	41	30	22	32	18	20	18	17	28	23	....	29.7
Bethlehem	Maximum	60	67	75	72	48	52	55	51	52	49	52	47	58	56	54	37	48	48	37	54	57	51	37	38	43	39	31	31	38	34	....	49.0
	Minimum	46	50	60	48	37	32	43	44	37	40	27	28	34	29	37	30	29	25	17	28	38	35	25	25	25	30	21	19	30	22	....	33.0
Brookville	Maximum	59	67	72	66	43	52	60	43	42	54	59	53	52	49	34	35	48	29	39	51	47	38	34	32	40	27	26	35	34	31	....	45.0
	Minimum	37	57	61	43	38	35	36	38	40	....	....	....	....	....	30	25	22	24	6	10	33	29	19	21	13	18	9	8	20	17	....	27.6*
Butler	Maximum	70	70	65	58	43	55	60	58	50	47	53	59	58	55	33	30	32	31	42	50	55	45	41	36	38	36	28	31	33	31	....	46.4
	Minimum	50	55	51	37	32	26	30	30	28	35	17	19	30	27	27	25	25	24	11	30	40	24	19	28	25	25	11	17	23	21	....	28.0
Carlisle	Maximum	60	61	75	73	45	49	54	52	53	51	52	48	57	56	54	38	55	52	40	58	62	50	46	40	46	38	32	33	42	38	....	50.3
	Minimum	37	48	54	45	38	25	42	46	45	33	21	25	29	23	35	32	26	29	15	26	30	35	26	27	30	28	19	15	26	20	....	31.0
Catawissa	Maximum	60	65	76	54	55	52	53	50	53	47	50	50	53	58	47	39	45	40	39	58	54	45	40	44	55	50	38	30	36	28	....	48.8
	Minimum	33	34	44	38	30	27	45	40	39	32	20	24	30	26	30	30	32	24	12	30	38	32	23	28	30	24	18	18	20	16	....	28.9
Chambersburg	Maximum	62	58	74	70	51	46	50	50	51	51	51	52	57	58	58	57	54	54	37	57	59	45	46	40	41	39	30	35	42	36	....	50.4
	Minimum	42	49	52	46	38	29	43	44	41	37	23	27	30	27	27	30	30	30	15	28	41	34	27	29	23	26	20	19	29	20	....	31.9
Chambersville	Maximum	59	65	74	63	58	51	59	58	45	44	56	66	55	55	53	46	50	50	42	53	51	41	36	38	43	39	31	33	37	30	....	49.4
	Minimum	46	50	57	38	31	24	33	33	35	32	17	20	29	31	26	23	24	23	10	28	37	26	14	28	24	21	11	12	24	18	....	27.5
Claysville	Maximum	58	68	74	61	43	59	62	54	48	46	62	62	59	53	52	40	52	48	44	56	52	40	39	42	40	35	25	36	39	30	....	48.6
	Minimum	51	53	60	36	32	28	33	33	33	37	21	26	29	30	27	24	26	27	14	32	38	28	19	29	28	22	15	18	24	16	....	29.3
Clearfield	Maximum	62	60	69	71	65	53	57	59	44	45	57	62	58	49	52	39	60	53	37	52	52	39	37	35	45	33	26	34	35	33	....	49.1
	Minimum	22	38	42	45	33	23	37	37	36	28	18	12	20	36	25	24	25	22	7	26	35	23	22	17	13	21	18	18	27	14	....	25.6
Coatesville	Maximum	63	63	64	63	52	45	47	48	47	38	37	45	43	56	49	38	44	42	29	43	46	46	35	39	40	39	29	33	37	33	....	44.4
	Minimum	36	47	59	51	37	30	41	40	36	35	23	28	35	28	31	30	27	20	16	25	39	34	27	28	22	24	19	15	28	18	....	31.0
Corry	Maximum	57	60	68	47	51	48	50	55	40	42	50	57	55	54	40	34	45	42	33	51	50	31	30	28	33	29	24	25	24	30	....	42.8
	Minimum	38	40	47	31	30	19	34	34	33	28	19	26	35	28	27	25	24	15	7	30	31	24	19	23	24	20	14	13	12	5	....	25.2
Emporium	Maximum	60	62	73	63	45	50	57	49	46	42	54	60	50	55	45	....	....	....	36	52	51	37	32	32	46	41	30	34	35	28	....	46.9°
	Minimum	47	52	55	38	32	22	32	35	35	33	16	20	21	22	31	26	28	20	5	31	37	29	17	21	14	20	8	14	27	15	....	26.8
Erie*	Maximum	57	68	70	44	44	52	52	47	46	43	52	58	45	47	43	37	50	40	37	56	52	35	29	32	35	29	25	38	31	26	....	44.0
	Minimum	49	55	44	33	35	32	40	36	37	31	29	39	39	39	30	30	30	20	16	35	32	28	24	27	28	21	18	20	25	8	....	31.0
Franklin‡	Maximum	61	67	70	53	45	55	63	48	47	42	54	59	57	51	33	35	51	27	39	55	45	32	34	32	36	27	25	36	31	25	....	44.5
	Minimum	22	51	53	37	31	24	25	33	33	34	18	19	22	27	28	25	25	22	9	10	31	28	20	21	26	20	11	13	13	16	....	24.9
Freeland	Maximum	61	56	69	64	42	45	46	45	45	40	45	58	45	49	47	28	42	42	34	49	49	42	29	32	37	38	23	25	32	27	....	42.9
	Minimum	39	45	53	40	30	27	38	40	30	28	20	30	33	30	25	21	22	13	10	23	39	27	15	20	23	21	11	11	25	11	....	26.7
Gettysburg	Maximum	59	65	75	72	51	50	54	52	53	51	50	49	57	58	54	39	55	54	36	65	56	48	48	43	43	39	30	36	41	36	....	50.6
	Minimum	45	48	57	50	38	30	44	46	39	38	25	30	31	28	35	32	43	30	18	35	40	35	28	32	24	25	19	18	31	21	....	33.8
Greensburg	Maximum	60	68	73	61	42	58	62	55	45	45	58	62	54	63	53	35	52	48	44	55	52	37	41	43	43	36	24	36	39	28	....	49.1
	Minimum	51	54	60	38	33	29	35	37	36	35	23	27	35	30	29	27	28	26	14	22	36	28	21	26	25	21	15	17	27	19	....	30.1
Grove City	Maximum	58	74	69	55	44	53	56	50	46	44	52	56	54	47	44	36	48	46	39	53	51	35	33	33	34	32	22	32	33	33	....	45.4
	Minimum	40	41	50	32	22	27	35	31	33	32	37	30	37	33	22	25	27	22	12	30	33	26	19	25	24	19	11	16	19	17	....	27 6
Hamburg	Maximum	59	62	75	78	50	49	57	51	52	48	49	46	51	55	54	38	49	53	38	54	58	49	40	40	38	38	40	31	41	33	....	49.2
	Minimum	38	48	58	49	37	29	43	44	38	35	22	25	31	27	22	28	29	20	18	29	35	34	25	25	26	27	20	16	30	19	....	30.9
Harrisburg*	Maximum	59	65	75	61	46	50	54	50	51	48	49	49	54	57	51	38	54	53	35	58	55	41	40	39	38	37	28	35	39	30	....	48.0
	Minimum	48	49	61	43	38	31	44	47	44	36	28	32	34	30	34	32	31	19	19	29	38	35	31	28	28	25	20	20	28	16	....	33.3
Hawley	Maximum	64	58	71	66	43	46	48	48	46	42	50	48	45	51	47	32	43	44	33	47	53	45	31	34	36	36	25	25	32	28	....	43.9
	Minimum	29	46	51	41	32	19	37	37	31	26	15	15	19	18	28	22	20	17	7	26	27	30	17	19	3	24	12	2	25	12	....	23.6
Holtwood	Maximum	64	65	73	64	54	54	58	51	50	48	46	46	53	53	53	39	47	46	36	48	55	46	40	41	40	37	30	37	41	33	....	48.3
	Minimum	42	51	59	54	41	37	47	47	41	40	30	37	39	36	34	34	34	26	21	32	37	37	34	34	32	30	26	23	33	23	....	36.4
Huntingdon	Maximum	63	60	73	64	48	45	54	50	49	47	53	60	54	59	57	35	55	55	38	59	59	39	39	37	51	49	28	38	42	31	....	49 7
	Minimum	44	53	56	46	36	24	41	36	39	28	19	21	26	22	31	29	31	35	12	24	38	33	24	30	16	27	18	20	26	24	....	30.3
Johnstown	Maximum	62	65	73	58	52	52	61	54	50	52	61	65	56	58	46	34	51	37	45	55	55	41	42	39	49	32	20	37	40	32	....	49.1
	Minimum	45	43	42	39	35	27	36	38	40	36	23	26	34	35	28	21	31	26	25	32	41	29	25	27	22	23	17	19	27	24	....	30.5
Lancaster	Maximum	68	69	76	75	56	54	62	57	56	52	53	48	52	59	54	42	54	52	36	56	59	52	45	40	41	42	33	36	42	36	....	51.9
	Minimum	34	47	57	59	37	25	44	41	32	33	20	24	31	24	32	25	27	30	15	27	28	35	28	28	21	27	20	15	27	15	....	30.3
Lawrenceville	Maximum	60	63	73	65	45	49	53	50	49	43	52	60	49	53	45	35	50	44	35	53	50	42	37	39	47	42	25	30	33	27	....	46.6
	Minimum	42	57	56	32	29	19	37	35	31	30	16	21	28	22	30	22	22	15	9	29	33	27	9	19	22	22	9	14	24	9	....	25.7
Lebanon‡	Maximum	60	65	78	55	54	50	59	49	54	50	50	47	53	59	49	39	52	37	38	58	58	42	41	38	37	34	30	36	39	30	....	48.0
	Minimum	35	48	51	54	37	27	33	44	36	35	22	26	27	25	27	30	27	32	15	19	30	34	28	26	26	27	18	15	25	18	....	29.9
Marcus Hook*	Maximum	73	76	73	76	51	58	58	57	53	50	53	57	61	60	45	53	53	39	56	64	64	45	44	51	52	36	41	50	40	30	....	54.1
	Minimum	56	64	64	42	36	48	46	41	44	30	39	43	38	44	34	35	32	21	33	45	38	32	33	33	32	25	25	38	25	13	....	37.6
Meadville	Maximum	59	61	68	51	43	52	56	51	45	45	51	58	54	48	42	34	47	47	37	54	52	35	33	32	34	30	23	32	35	26	....	44.5
	Minimum	49	52	49	32	32	25	35	35	34	34	23	29	35	33	25	25	25	21	13	30	34	28	23	26	27	21	10	18	25	13	....	28.7
Montrose	Maximum	60	55	66	62	39	47	49	45	45	37	45	52	42	51	44	31	44	43	29	47	49	39	27	32	39	35	21	24	29	22	....	41.7
	Minimum	38	49	54	38	29	25	38	37	30	25	17	28	33	27	29	19	19	11	8	19	36	25	15	16	21	20	11	10	21	7	....	25.2
Mount Pocono	Maximum	60	58	66	63	41	45	45	44	44	38	46	46	43	47	45	28	40	41	42	47	47	40	25	29	35	30	26	28	30	26	....	41.5
	Minimum	40	46	54	41	31	25	37	41	31	30	19	30	32	28	28	21	21	17	26	24	40	18	14	16	15	23	14	15	24	3	....	26.8
Philadelphia*	Maximum	61	72	76	77	51	50	58	55	52	51	50	52	56	59	55	39	52	50	36	54	61	45	43	43	50	39	31	38	42	35	....	51.1
	Minimum	44	55	63	48	40	38	47	44	43	36	33	39	43	37	32	35	33	20	20	31	41	35	30	32	33	29	23	22	32	20	....	35.9
Pittsburgh*	Maximum	59	66	74	44	42	55	60	48	45	42	55	60	51	52	42	37	50	46	41	54	50	34	41	42	39	25	23	38	37	26	....	45.9
	Minimum	52	56	44	33	33	31	39	41	36	31	27	36	38	35	28	27	27	17	15	32	33	29	27	23	23	20	16	19	25	14	....	30.4
Quakertown	Maximum	62	69	75	72	49	50	54	50	49	49	46	46	51	55	51	37	47	49	34	52	57	50	48	39	45	40	30	32	40	34	....	48.7
	Minimum	34	49	56	49	36	27	42	40	32	31	21	21	27	22	35	30	25	21	15	26	28	35	25	22	16	28	18	15	27	19	....	29.1
Reading*	Maximum	61	68	75	63	50	51	60	51	53	49	51	48	52	57	50	38	54	52	39	57	58	40	40	39	40	36	29	38	39	30	....	48.9
	Minimum	49	53	63	43	37	33	45	45	42	35	29	33	37	35	32	33	34	19	18	31	43	34	28	27	32	26	23	22	29	17	....	34.2
Ridgway‡	Maximum	60	67	71	57	41	50	58	46	43	40	52	57	52	53	35	35	48	27	37	50	46	31	34	32	41	27	23	35	31	24	....	43.4
	Minimum	22	51	57	38	32	24	29	30	32	34	15	16	17	23	32	25	24	23	6	6	30	20	20	20	24	21	14	14	20	14	....	24.4
Scranton*	Maximum	61	62	75	60	40	52	54	50	48	41	48	51	47	56	46	33	47	47	33	52	54	39	29	36	43	36	25	33	36	24	....	45.4
	Minimum	47	53	59	38	32	28	43	41	37	28	23	26	31	27	33	26	26	17	16	31	39	29	19	23	23	25	18	18	24	10	....	29.7
Selinsgrove	Maximum	61	59	72	71	48	50	52	51	50	49	49	51	53	54	55	37	53	32	34	58	47	37	40	37	44	41	35	38	39	35	....	47.7
	Minimum	40	50	52	43	36	26	43	45	36	34	21	24	26	25	32	25	32	29	30	15	13	28	30	23	23	28	21	19	15	16	....	28.6
Somerset	Maximum	52	61	67	58	40	38	58	45	41	37	55	47	47	51	50	29	43	43	47	50	47	34	36	35	43	33	20	30	31	26	....	43.1
	Minimum	45	52	53	40	32	22	27	31	35	31	15	20	25	25	23	25	23	21	22	23	9	27	34	25	8	28	21	18	13	19	....	26.0
State College	Maximum	59	63	74	60	48	44	51	48	46	41	48	59	54	56	47	34	50	48	41	59	53	34	36	36	46	38	24	37	34	34	....	46.7
	Minimum	44	51	54	42	33	23	38	39	37	31	21	23	36	34	28	25	26	20	10	28	32	29	23	27	24	22	14	15	23	14	....	28.9
Stroudsburg‡	Maximum	64	64	75	51	50	48	51	48	46	50	46	56	50	54	54	35	48	31	40	50	59	40	34	40	38	36	34	35	35	40	....	46.7
	Minimum	32	41	50	50	37	25	27	42	35	32	19	21	23	22	30	23	24	25	12	14	31	33	21	21	12	16	11	12	10	8	....	25.3
Towanda	Maximum	64	63	74	64	43	53	52	50	50	42	51	58	43	54	49	36	51	49	34	54	53	39	31	38	47	40	27	34	32	26	....	46.7
	Minimum	45	50	62	37	28	35	39	36	50	42	17	23	26	22	32	25	21	16	12	33	35	31	15	22	23	25	15	16	23	11	....	27.2
Uniontown	Maximum	62	73	78	61	41	63	65	52	48	48	62	65	55	56	53	43	52	49	50	56	53	41	49	45	47	37	28	36	40	29	....	51.2
	Minimum	52	56	61	41	34	32	37	40	39	37	22	28	32	32	31	27	28	30	15	33	40	31	23	34	25	21	18	19	29	21	....	32.3
Vandergrift*	Maximum	62	66	76	47	45	56	57	50	46	49	56	60	54	51	48	39	53	52	41	56	50	53	44	46	44	33	28	41	44	27	....	49.2
	Minimum	26	57	46	34	31	30	32	36	39	27	22	23	31	46	28	29	30	18	15	35	36	31	23	30	29	24	15	22	26	14	....	29.5
Warren	Maximum	55	58	68	58	40	41	46	45	47	44	37	54	50	48	45	35	42	30	33	42	50	43	36	33	35	28	28	26	30	24	....	41.7
	Minimum	40	53	58	53	30	25	37	34	36	32	24	28	37	33	30	30	20	14	[illegible]	32	40	32	22	28	28	22	19	22	24	10	....	30.1
Waynesburg	Maximum	58	70	74	61	43	63	63	56	48	46	60	63	55	55	55	40	52	50	45	55	55	39	43	44	42	37	31	37	40	34	....	50.5
	Minimum	42	54	61	38	33	26	34	37	37	37	21	26	30	31	29	26	27	28	14	30	38	29	22	33	28	21	17	20	28	20	....	30.6
Wellsboro	Maximum	61	65	70	63	38	45	51	48	46	44	45	54	50	53	45	30	48	48	34	50	49	38	27	33	42	38	23	30	33	25	....	44.1
	Minimum	40	49	50	35	29	19	38	34	46	36	25	15	19	23	20	27	26	14	8	27	38	27	12	21	22	21	13	14	22	8	....	25.3
Williamsport	Maximum	62	60	73	64	48	48	50	52	49	48	44	48	57	53	48	36	53	50	32	55	53	46	34	37	44	41	29	31	36	33	....	47.2
	Minimum	42	52	55	52	35	25	44	39	38	31	20	23	28	33	31	30	30	18	14	29	38	32	20	25	26	26	19	15	29	17	....	30.5
Williamstown	Maximum	60	60	72	68	47	52	56	53	46	54	52	51	54	52	55	53	38	48	38	55	58	55	58	57	50	41	37	28	37	36	....	50.0
	Minimum	34	46	49	56	42	32	27	39	37	36	36	24	32	33	35	28	27	22	11	24	31	28	22	22	26	22	15	14	23	19	....	28.8
York	Maximum	63	66	76	72	52	52	56	52	53	48	50	49	55	58	55	43	52	49	36	56	59	51	42	41	38	38	31	38	40	34	....	50.2
	Minimum	35	49	58	52	39	25	44	44	34	36	22	28	32	26	35	33	26	29	13	26	40	36	26	31	24	28	18	14	31	16	....	31.7

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* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

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CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XLI. DECEMBER, 1936. No. 12.

GENERAL SUMMARY.

December temperatures were mostly seasonable until the last week, when there was an unusually large excess. There was little or no snow cover during that week, and the frost practically disappeared from the ground. The accumulated temperature excess brought the monthly mean a little more than three degrees above the normal, and made it the sixth warmest December in forty-nine years, while the maximum temperature of 74 degrees, that was recorded at Marcus Hook on the 25th, has been exceeded only once in all of that time. There seemed to be more fog than usual, especially in the mountain regions and in western counties. Precipitation averaged about thirty per cent above the normal, but with a snowfall a little less than the December average. The matter of distribution of moisture was practically the reverse of that of the preceding month. In November the heaviest precipitation was across the northern portion of the State, with the heaviest snowfall in the northwestern counties, while there was very little snow, and less than half of the normal rainfall in the region south and east of the Blue Ridge Mountains. In December the rains were heaviest in this latter region, while the lightest precipitation was immediately along the northern border. However, the December snows were very light in the southeastern counties, and there was almost no snow cover on the fields. In the regions of heaviest snowfall the ground was covered less than half of the time. There was little damage to the winter grains because the frost did not penetrate deeply enough to cause a heaving of the soil. Heavy rains in the southeastern counties served to replenish a surface water supply that was getting rather low, and the streams were raised to moderate stages. Subsoil water was increased to some extent, and the flow of many springs was increased, while shallow wells were mostly restored. The wind movement was more than usual, yet there were no heavy windstorms. Conditions were mostly favorable for outdoor work, especially road building, and fair progress was made. The farmers closed up their field work early in the month, and made ready for winter. Manure was hauled out, and corn fooder was hauled in. There was some pruning of orchards, and in a few places there was some plowing done.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 90 stations, was 34.5°, or 3.2° above the 49-year normal for December. The highest monthly mean was 42.4°, at Marcus Hook, and the lowest 29.2° at Mt. Pocono. The highest recorded during the month was 74° at Marcus Hook on the 25th, and the lowest was —11° at Emporium on the 1st. The greatest daily range in temperature was 48° at Somerset on the 23d, and at Hyndman on the 24th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the records of 143 stations, was 4.19 inches, which is 1.07 inches above the 49-year normal for December. The greatest monthly amount was 7.15 inches at Phœnixville, and the least was 1.19 inches at Erie. The greatest amount recorded in any 24 consecutive hours was 2.50 inches at Mt. Pocono on the 11th.

Snowfall for the State averaged 6.3 inches, which is 1.7 inches below the 49-year normal for December. The greatest total snowfall for the month was 24.5 inches at Pleasant Mount. The greatest 24-hour snowfall was 12.0 inches at Clearfield on the 2d.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	32.5	62	−10	3.14	5.2	9	8	8	15
1889	39.6	73	0	2.77	0.9	12	11	9	11
1890	27.2	59	−11	3.97	29.4	12	7	8	16
1891	38.4	68	−3	4.09	0.3	10	12	8	11
1892	27.8	70	−13	1.69	5.7	9	7	9	15
1893	32.2	70	−7	3.06	9.4	12	6	11	14
1894	32.4	66	−28	3.95	11.9	10	10	9	12
1895	34.2	70	−10	3.22	2.3	7	10	9	12
1896	30.6	67	−13	1.20	5.4	6	10	9	12
1897	33.0	73	−6	3.95	9.6	12	6	8	17
1898	29.8	68	−11	2.98	8.7	10	10	8	13
1899	31.5	73	−11	3.04	4 4	10	10	11	11
1900	31.2	65	−2	2.08	3.9	7	8	9	14
1901	29.1	77	−18	5.91	7.6	11	7	9	15
1902	28.4	68	−12	5.54	17.3	14	7	7	17
1903	25.4	60	−14	2.66	13.2	9	8	9	14
1904	25.8	71	−19	2.48	14.4	11	7	7	17
1905	33.6	65	−5	3.57	2.2	8	10	7	14
1906	30.8	67	−14	3.97	7.6	14	5	5	21
1907	33.2	68	−8	4.30	9.8	12	7	8	16
1908	32.0	74	−2	2.86	9.4	10	9	8	14
1909	27.0	71	−10	3.39	12.7	8	9	8	14
1910	24.4	68	−14	2.65	16.0	12	8	6	17
1911	36.3	70	5	3.27	5.4	13	7	5	19
1912	34.4	74	−8	3.27	8.1	9	9	7	15
1913	34.2	66	−7	2.63	7.2	8	9	7	15
1914	27.3	69	−28	4.63	13.0	14	8	5	18
1915	29.4	70	−7	4.06	13.7	12	6	8	17
1916	29.7	73	−12	3.07	10.5	12	11	9	11
1917	21.5	52	−28	1.78	15.0	8	10	8	13
1918	36.6	72	−1	3.38	3.0	11	9	7	15
1919	25.3	66	−23	2.61	9.4	11	9	8	14
1920	33.4	68	−7	3.28	3.8	10	7	9	15
1921	31.6	66	−11	2.59	7.2	10	8	8	15
1922	31.5	69	−9	2.75	7.1	10	10	8	13
1923	39.6	71	1	4.99	2.4	14	9	7	15
1924	29.8	69	−23	2.13	3.6	11	7	7	17
1925	30.7	62	−15	1.72	3.8	10	8	7	16
1926	27.3	62	−20	2.58	10.0	12	8	7	16
1927	32.7	73	−6	4.41	4.5	13	9	6	16
1928	34.4	68	−2	1.16	0.9	6	13	7	11
1929	32.2	70	−9	2.77	10.0	12	7	6	18
1930	30.0	59	−15	2.29	6.8	10	6	7	18
1931	38.1	70	−1	2.85	1.1	11	10	6	15
1932	33.3	72	−14	2.19	7.4	12	10	6	15
1933	31.7	74	−22	2.88	8.7	12	9	7	15
1934	30.7	73	−10	2.55	3.0	10	9	8	14
1935	26.3	60	−19	2.62	13.5	16	5	7	19
1936	34.5	74	−11	4.19	6.3	11	11	6	14
Period	31.3	77	−28	3.12	8.0	10	8	8	15

Climatological Data for December, 1936

Stations*	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	24	35.8	+4.1	61	26	9	1	34	5.31	+1.80	1.20	3.0	11	15	10	6	ne.	John A. Frick.
Altoona	Blair	1,615	49	32.0	+2.0	67	26†	5	1	27	3.64	+0.90	0.91	12.5	11	8	6	17	w.	John J. Martin.
Ardmore	Montgomery	350	16	37.9	+3.7	62	26	9	1	32	5.00	+1.76	1.26	0.7	12	9	8	14	......	H. L. Balderston.
Arendtsville	Adams	700	14	33.5	+0.4	59	25†	8	1	39	6.01	+2.86	1.51	6.5	11	14	6	11	nw	Dr. S. W. Frost.
Bedford	Bedford	1,060	4	32.8	......	60	26	3	1	42	3.92	......	1.11	9.0	11	14	3	14	nw.	Charles C. Lee.
Bethlehem	Northampton	364	51	36.6	+3.1	63	26	10	1	27	5.56	+2.28	1.25	1.7	12	9	1	21	e.	Lehigh University.
Carlisle	Cumberland	467	70	34.4	+2.7	60	26	7	1	32	6.52	+3.42	1.80	8.0	13	15	3	13	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	40	36.2	+4.5	66	27	6	1	32	3.51	+0.51	1.10	2.0	6	11	2	18	......	W. L. Gearhart.
Center Hall	Center	1,272	40	32.6	+2.6	65	26	2	1	31	2.69	+0.30	0.72	6.0	8	16	5	10	......	Edward E. Bailey.
Chambersburg	Franklin	680	37	34.2	+1.1	69	26	9	1	29	4.94	+1.98	1.18	6.2	11	12	4	15	ne.	William B. Spear.
Clearfield	Clearfield	1,120	29	31.4	+1.6	59	26	−3	1	35	3.51	+0.43	1.50	17.0	11	11	9	11	nw.	E. W. Hess.
Coatesville	Chester	380	49	35.7	+2.8	69	25†	9	1	36	7.10	+3.11	1.20	3.5	12	11	1	19	nw.	Howard L. Pyle.
Colebrook	Lebanon	660	25	33.4	+1.9	60	27	4	1	30	6.16	+2.68	1.24	3.5	11	12	2	17	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	49	32.6	+3.3	65	28	−11	1	44	3.90	+0.68	0.90	9.0	11	9	0	22	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	44	36.8	+4.3	62	27	10	1	31	5.41	+2.29	1.61	1.0	13	13	0	18	ne.	Ira J. Keath
Freeland	Luzerne	1,970	43	31.6	+4.3	59	26	11	8†	26	4.75	+0.83	0.96	2.6	9	9	3	19	w.	Andrew B. Evansha
George School	Bucks	190	30	38.2	+4.9	64	26	8	1	31	6.62	+3.05	1.38	0.2	13	13	7	11	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	63	36.3	+3.8	64	26	10	1	33	5.61	+2.46	1.33	4.0	12	16	2	13	sw.	Dr Henry Stewart
Gordon	Schuylkill	840	32	33.2	+3.8	62	27	2	1	34	6.19	+2.47	1.81	8.0	10	15	3	13	ne.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	21	29.4	+4.0	64	26	−4	1	29	2.95	−0.37	1.00	6.0	9	17	1	13	w.	Ronald H. Marshall,
Hamburg	Berks	535	43	35.8	+4.0	60	26	8	1	24	6.24	+2.63	1.32	8 5	13	12	7	12	sw.	State Sanatorium.
Hanover	York	600	32	37.2	+2.6	64	26	11	1	31	5.91	+2.86	1.09	2.0	14	13	4	14	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	67	36.1	+3.4	59	27	12	1	22	6.06	+3.04	1.44	5.2	11	9	5	17	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	18	29.8	+1.2	60	26	−5	1	33	3.38	+0.31	0.94	5.5	10	13	5	13	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	21	36.0	+1.5	62	27	12	1	18	5.13	+2.45	1.60	1.0	10	11	5	15	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	49	32.6	+0.8	62	26	2	1	41	3.90	+0.98	1.00	7.0	9	5	9	17	w	Prof. Paul R. Yoder.
Hyndman	Bedford	977	24	34.4	+1.9	61	26	−1	23	48	5.22	+2.55	2.04	8.2	9	18	1	12	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	5	30.0	......	54	26†	−1	1	28	3.23	......	0.82	8.7	12	2	11	18	se.	U. S. Weather Bureau.
Lancaster	Lancaster	255	49	36.0	+2.9	64	27	6	1	38	5.30	+2.11	1.40	1.6	13	15	9	7	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	39	31.6	+2.8	56	27†	−2	1	34	1.84	−0.14	0.76	8.0	6	8	8	15	......	C. P. Darling.
Lebanon	Lebanon	469	52	34.4	+2.3	62	26†	10	1	35	6.09	+2.75	1.16	3.0	11	17	0	14	sw.	Lebanon Valley Gas Co.
Lock Haven	Clinton	560	46	33.8	+2.6	56	26	3	1	26	3.62	+0.77	0.81	6.0	13	7	9	15	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	10	42.4	+3.6	74	25	21	7	36	4.62	......	1.57	T.	9	16	2	13	ne.	Sun Oil Co.
Mifflintown	Juniata	445	33	34.0	+2.4	63	26	6	1	38	4.80	+2.10	1.41	7.9	7	18	2	11	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	30	29.2	+3.5	52	25†	2	2	27	6.33	+3.07	2.50	2.0	11	12	3	16	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	24	31.2	+3.1	58	26	−2	1	30	3.83	+0.80	0.88	2.5	10	12	6	13	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	47	36.6	+4.6	64	26	6	1	36	6.53	+3.01	1.08	T.	10	17	3	11	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	18	34.4	+2.9	62	26	4	1	27	5.71	+2.80	1.34	3.0	12	8	9	14	n.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	65	39.6	+3.3	62	26	15	1	26	4.83	+1.40	1.36	0.3	12	9	8	14	n.	U. S. Weather Bureau.
Phœnixville	Chester	100	26	36.8	+3.3	66	26	8	1	37	7.15	+3.46	1.86	T	12	12	6	13	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	51	35.0	+3.7	59	27	4	1	31	5.30	+1.34	1.86	1.3	12	14	6	11	nw.	John E. Benner.
Reading	Berks	273	66	38.6	+6.4	65	27	13	1	27	4.38	+0.82	1.31	2.7	13	9	6	16	n.	U. S. Weather Bureau.
Retreat	Luzerne	900	3	32.4	......	59	25	2	1	33	3.04	......	1.10	1.0	8	11	8	12	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	42	34.4	+3.7	60	26	6	1	27	2.75	−0.27	0.97	3.4	10	6	9	16	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	46	34.6	+2.9	61	26	7	1	31	4.82	+1.81	1.32	8.0	13	9	9	13	n.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	40	38.2	+2.9	60	27	10	1	30	6.84	+2.31	1.18	0.8	12	5	11	15	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	3	34.6	......	58	27	10	1	25	5.16	......	1.01	6.5	13	11	3	17	ne.	State Teachers College
State College	Center	1,217	52	32.6	+2.7	59	28	2	1	31	3.69	+1.02	1.10	7.2	11	6	15	10	w.	C. A. Kern.
Stroudsburg	Monroe	500	22	34.6	+4.4	64	28	4	1	39	6.76	+3.40	2.00	1.9	8	15	2	14	w.	State Normal School.
Towanda	Bradford	754	42	32.4	+3.6	61	26	0	1	30	2.06	−0.13	0.82	4.2	10	3	11	17	ne.	Mrs .M. Ordella Parks.
Wellsboro	Tioga	1,419	66	29.3	+1.4	54	26†	−5	1	29	2.58	+0.44	0.74	9.8	9	19	4	8	nw.	George W. Hill.
West Chester	Chester	455	87	30.9	+4.6	65	26	10	1	31	5.94	+2.14	1.29	1.2	12	11	5	15	nw.	Harlan Saylor.
Williamsport	Lycoming	521	50	32.8	+2.0	56	26	5	1	24	3.07	+0.18	1.22	4.3	11	15	2	14	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	21	35.8	+4.5	65	27	6	1	36	5.56	+2.69	1.22	2.0	10	11	7	13	sw.	Susquehanna Collieries Co.
York	York	400	48	36.0	+2.8	65	27	8	1	34	5.87	+2.94	1.21	T.	14	14	5	12	sw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	46	29.4	+1.4	57	27	−10	1	41	4.61	+1.59	1.26	16.7	14	4	7	20	......	Frank S. Fawcett.
Butler	Butler	1,077	23	33.8	+2.5	62	27	2	23	38	2.67	−0.34	0.71	11.0	9	15	6	10	nw.	William C. Faust.
Chambersville	Indiana	1,047	35	34.1	+3.0	60	27	2	23	42	4.13	+0.80	1.54	12.7	13	11	5	15	sw.	John E. Lewis.
Clairton	Allegheny	1,020	4	37.1	......	63	27†	9	1	32	3.34	......	1.06	8.5	10	11	6	14	s.	Carnegie Steel Co.
Claysville	Washington	1,150	31	36.8	+4.0	64	27†	10	1†	36	2.79	−0.17	0.77	8.2	13	17	3	11	n.	J. L. Melvin.
Corry	Erie	1,430	23	33.0	+4.6	59	27	8	23	29	3.76	+0.16	0.67	13.5	16	8	15	8	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	39	36.8	+4.7	63	26	4	23	42	4.07	+0.77	1.55	12.6	8	12	9	10	sw.	Ted R. Wineman.
Donora	Washington	762	10	39.8	+3.4	66	28†	18	24	30	3.51	+1.06	1.18	2.0	12	10	9	12	se.	Donora Zinc Works.
Ebensburg	Cambria	2,000	19	31.1	+2.1	54	27†	4	1	31	4.63	+1.65	0.96	19.0	10	14	7	10	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	19	31.3	+1.5	65	25†	0	1	39	3.64	+0.41	2.00	11.0	6	17	5	9	w.	J. S. Stevanus.
Franklin	Venango	957	62	31.2	+1.7	61	3	−3	1	41	2.24	−0.94	0.65	14.0	7	3	5	23	w	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	27	36.8	+3.8	62	27	6	23	39	3.87	+0.82	1.41	8.5	10	12	6	13	s.	Westmoreland Water Co.
Greenville	Mercer	950	40	......	......	62^d	27	......	......	....	2.20	−0.70	0.45	1.6	8	11	3	17	......	Charles P. Clarke.
Grove City	Mercer	1,256	29	33.6	+3.5	60	27	2	1	33	2.58	−0.52	0.60	11.5	11	13	3	15	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	12	35.8	+3.3	61	27	7	23	37	4.31	+1.42	1.47	10.0	14	21	2	8	......	W. F. Gallagher.
Johnstown	Cambria	1,184	54	34.0	+1.6	59	26†	7	23	33	4.81	+1.04	1.38	9.0	13	10	8	13	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	4	30.3	......	54	27	−9	1	35	2.43	......	0.55	12.0	12	12	5	14	se.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	44	35.9	+3.3	64	27	11	1	42	4.32	+0.77	1.16	9.5	9	9	3	19	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	42	34.4	+5.2	67	30	−4	1	34	2.46	−0.72	0.70	9.0	11	10	4	17	s.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	36.0	......	64	27	11	1	31	2.31	......	0.52	9.0	13	7	8	16	nw.	Perry P. Campbell
New Castle	Lawrence	808	56	32.8	+1.9	65	28	6	23	33	2.33	−0.37	0.57	9.8	12	1	24	6	s.	New Castle Water Co.
Newell	Fayette	800	16	37.0	+1.6	64	28	12	23	31	4.05	+1.48	......	7.0	10	8	9	14	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	94	35.8	+1.6	61	27	10	1	27	3.39	+0.53	0.97	9.3	11	5	8	18	s.	U. S. Weather Bureau.
Ridgway	Elk	1,350	29	30.0	+2.0	59	27	−10	1†	45	4.03	+0.26	1.35	13.4	13	5	9	17	se	West Penn. Power Co.
Sharon ‡‡	Mercer	940	23	34.8	+3.9	62	27	10	1	27	1.80	−0.58	0.43	5.5	9	5	13	13	s.	Harry H. Gerber.
Somerset	Somerset	2,190	69	30.2	+1.3	55	27	−8	23	48	4.61	+0.53	1.12	14.8	14	9	7	15	nw.	D. L. Grove.
Uniontown	Fayette	1,100	48	38.0	+3.0	64	27	9	23	38	4.50	+1.07	1.33	4.2	12	11	9	11	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	22	35.7	+2.3	64	27	8	23	34	2.91	−0.07	......	......	11	17	9	5	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	47	33.4	+4.9	60	27	−10	1	40	2.24	−0.84	0.58	14.5	12	8	8	15	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	5	37.6	......	65	27	8	23	40	3.86	......	1.20	4.0	8	4	13	14	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	64	35.4	+3.5	62	27	8	1	24	1.19	−1.64	0.29	3.2	10	8	6	17	s.	U. S. Weather Bureau.
For the State	......	......	49	34.5	+3.2	74	25	−11	1	48	4.19	+1.07	2.50	6.3	11	11	6	14	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-1-26-37-1050.

Daily Precipitation for December, 1936

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown||||	Lehigh		.26	1.11				1.17			.02	.07	.69					.59			1.20	.02							T.		.03	.15	5.31
Altoona	Juniata		.91				.85	.36		T.	T.	.45					.06	.05		.30	.70	.10							T.		.04	.32	3.64
Ansonia||||	W. Br. Susq		.06	.57				.06			.06	.08	.30					.10	T	.08	.48	.02	T.	T.					.03		.08	.61	2.53
Ardmore	Lower Del		.90				1.06	.20				.45	.10				.48	.01		1.03	.23								.04	T.	.05	.45	5.00
Arendtsville	Lower Susq	1.34	T.					.87			.51	.18	.32					.74			1.51								.01	.01	.46	.11	6.01
Baker's Summit	Juniata		.95				.57	.22		.07	.04	.50					.11	.11		.25	.65								.01		.02	.42	3.92
Bedford	Juniata		1.11				.78			01	.11	.50					.10	.10		.50	.37									T.	.04	.80	3.92
Bellefonte	W. Br. Susq		.92		T.		.58	T.		T.	T.	.53	.02				.11	.18		.15	.14	T.	T.					T.			T.	.39	2.97
Bethlehem	Lehigh		.80	.45			.31	.94		T.	.02	.64	.16					.64		.07	.86	T.	T.						T.		.03	.64	5.56
Bloserville‡‡	Lower Susq		1.10				1.15				.30	.35					.30			.90									.05			.75	4.90
Buffalo Mills||||	Juniata		.53	.51			.02	.54				.83						.12		.25	.85										.08	.27	3.50
Carlisle	Lower Susq		1.80	.08			.54	.32		T.	.57	.77	.02				.12	.42		.95	.32										.02	.59	6.52
Catawissa	N. Br. Susq		1.10				.80				.30	.71					.25			.35	T.												3.51
Center Hall	Susquehanna		.52				.19				.36	.60	.02							.26											.02	.72	2.69
Chambersburg	Potomac		1.18				.72	.24		T.	.36	.63	.01				.20	.17		.81	.18											.44	4.94
Clearfield	W. Br. Susq		.23				.50	.35			T.	.35	.08				.12	.20		.07	1.50	.06						T.		.05			3.51
Coatesville	Lower Del		1.02				.84	.47			.04	.75	.05				.20	1.20		.95	.84								?		.13	.61	7.10
Colebrook	Lower Susq		1.24				.93	.09		T.	.40	.65	.01				*	.80		*	1.06		T.						.03	T.	.01	.93	6.15
Conshohocken	Schuylkill		.78	.24			.41	.95			T.	.49	.28				.01	.39		.12	.61								.02		.08	.52	4.90
Doylestown	Lower Del		.67	.17			.48	.91				.59	.18					1.35		.13	1.24										.10	.47	6.29
Emporium	W. Br. Susq		.72				.18	.25			T.	.29	.07				T.	.15		.13	.90	T.	.03								.29	.89	3.90
Ephrata	Lower Susq		.98	.04			.70	.91		T.	.10	.63	.02				.05	.46		.31	.59								T.		.05	.56	5.41
Forest City	N. Br. Susq		.22	1.07		T.		.58			.32	.35	.37						.06	.04	.72	.08									.30	.28	4.39
Freeland||||	Lehigh		.13	.88				.87	T.	T.	.30	.44	.46	T.				.28	T.	T.	.96	T.	T.	T.						T.		.43	4.75
Galeton	N. Br. Susq		.85		T.		.12			T.	.13	.37	T.				T.	.10	T.	.23	.53	.03							T.	T.	.20	.80	3.36
George School	Lower Del		.82	.33	T.		.40	1.06		.01	T.	.50	.33	T.				.77		.18	1.38								.02		.06	.76	6.62
Gettysburg	Potomac		1.33	.03			.60				.56	.46	.02				.18	.52		.80	.54	T.							T		.02	.55	5.61
Girardville||||	Lower Susq	.47	.76				.80			.42	.26	.42					.35		.03	1.07	T		T.					.01			.15	.52	5.26
Gordon	Lower Susq		.96	.40			.33	.52			.41	.52	.09					.41			1.81											.74	6.19
Gouldsboro‖	Lehigh		.30	.25			.50				.20	.25								1.00	.05	.10								T.	.30		2.95
Graterford	Schuylkill		.57	.32			.63	.84		T.	.04	.73	.26				.01	.92		.19	.78										.04		5.33
Hamburg	Schuylkill		1.32	.07			.34	.45			.22	.76					.05	.35		.64	.91	.04	T.								.02	1.07	6.24
Hanover	Lower Susq		1.09	.07			.90	.12			.36	.58	.04				.09	.81		.96	.28								.02		.03	.56	5.91
Harrisburg***	Lower Susq	T.	1.44	T.			.87	.02		T.	.51	.62	T.				.64	.05		1.02	.22							T.		T.	.06	.61	6.06
Hawley||||	Upper Del		.17	.56				.49			.10	.20	.74					.05		T.	.94	T.	T.						T.		.04	.09	3.38
Hollisterville	Upper Del		.25	.68	T.			.51			.22	.21	.61					.07			.91	.06	.03	T.			.01		.02		.04	.09	3.71
Holtwood‖	Lower Susq		.27	.73				1.19			.05	.16	.38	T.				.42		T	1.60								T.		.15	.18	5.13
Huntingdon	Juniata		.87				1.00			T.	.01	.46					T.	.23		.20	.61									T.	.03	.49	3.90
Hyndman	Potomac		.67	.09			2.04			T.	.02									1.61	.11	.21							.04			.43	5.22
Kylertown***	W. B. Susq		.82		.01		.43	T.		T.	.01	.47	T.				.16	.02	T.	.21	.52	.04	T.					T.	T.	T.	.17	.37	3.23
Lakeville||||	Upper Del	.25	T.	.55	.01			.44			.14	.20	.66					.09	T.		.88	.01							T.		.04	.15	3.42
Lancaster	Lower Susq		.85	.10			.38	1.02		T.	.10	.53	.08				.02	.65		.46	.82										.01	.28	5.30
Lansford||||	Lehigh		.28	.82				.92			.18	.25	.40					.36			.97	.30		T.					T.			.20	4.68
Lawrenceville	N. Br. Susq		.75									.50	T.					T.	T.	.12	.10		T.								.15	.22	1.84
Lebanon	Lower Susq	.35	1.00					1.02		.23	.23	.52						.87		1.15	T.							.01		T.	.16	.55	6.09
Lehighton||||	Lehigh			.94				1.15			.10	.28	.53					.65			1.45	.07										.38	5.55
Lock Haven	W. Br. Susq		.30	.81			.29	.37		T.	.13	.29	.08				.08	.20		.20	.27		T.								.03	.57	3.62
Marcus Hook	Lower Del		*	.93				1.57				T.	.05					.61		*	.68								.09		.01	.68	4.62
Matamoras||||	Upper Del		.18	.70				.68				.18	.70					.25			.93	.57										.12	4.31
Mifflintown	Juniata		1.26				.74				.30	.37					.16			1 41											T.	.56	4.80
Montrose	N. Br. Susq		.57				.27	.08		T.		.60	.05					.19		.11	.42										.07	.21	2.57
Morris Run	N. Br. Susq		.80	.04							.17	.40	.03				.02	.18		.24	.51		.03					T.			.08	.37	2.87
Mount Pocono	Upper Del		1.00	.50	T.						1.50	2.50	.40								.12	T.	.05					.06		.01	.10	.09	6.33
Muncy Valley	W. Br. Susq		.88	.10			.74			T.	.10	.44	T.				T.	.18		.27	.41						T.				.07	.64	3.83
Neshaminy ||||	Lower Del		1.05				1.08	.45			T.	.84	.10				.52	.06		.98	.54											.91	6.53
New Park	Lower Susq		1.29				1.50			.02	.35	.35	.10							1.53											.12	.70	5.96
Newport||||	Juniata		.40	.98				.98		T.	.43	.30	.32					.30		.05	1.06										T.	.23	5.05
Palmerton‡	Lehigh		1.34				.90	.02		T.	.02	.80	.01				.58	.02		.78	.35							T.			.04	.85	5.71
Paupack||||	Upper Del		.27	.57				.39			.18	.30	.65					.07		1.20												.10	3.73
Philadelphia***	Lower Del	T.	.99				1.04	.32			T.	.68	.05				.39	.02		.57	.20		T.						.03	T.	.06	.48	4.83
Phila. NavyYard ||||	Lower Del		*	1.01				1.54				.46	*	.47				.37			.97			T.					.04		.07	.64	5.57
Phila-P'nt Breeze.‡	Lower Del																																
Phoenixville	Schuylkill		.74	.28			.40	1.00		.01	T.	.59	.30				T.	1.86		.14	1.22								T.		.13	.48	7.15
Pine Grove	Lower Susq		1.48				.90	.05			.57	.50					.66			.95	.20										.35	.52	6.18
Pleasant Mt.||||	Upper Del		1.27				.77					1.04					.81				.06						.05					.56	4.56
Pottstown	Schuylkill	T.	.85				1.20	.05		.02	.09	.06	T.				.49	.04		.30	.15		T.					T.	.01	.01	.05	.40	4.32
Pottsville	Schuylkill		1.07	.47			.22	.60			.37	.57	.06				T.	.60		.29	.91	T.									T.	.75	5.91
Quakertown	Lower Del		.83				.48	1.38		.03	.03	.07						.79		.19	.91	.04									.04	.51	5.30
Reading***	Schuylkill	T.	.88				1.25	.06		.01	.09	.64	T.				.51	.03		.31	.13		T.					T.	.01	T.	.05	.41	4.38
Renovo.||||	W. Br. Susq		.08	.74			.05	.32				.17	.29					.24			.73								.03		.12	.37	3.14
Retreat	N. Br. Susq		1.10				.42			T.	.42	.61						.23		.11	T.						T.		.14		.01		3.04
Scranton***	N. Br. Susq		.97	T.			.32	T.		T.	.26	.58	T.				.03	.04	T.	.16	.05	.01	T.					T.		T.	T.	.33	2.75
Selinsgrove	Lower Susq		1.32	.13			.58	.10			.33	.61					.12	.16		.80	.20	.01							.02			.44	4.82
Shawmont	Schuylkill		.82	.15			.43	1.18				.48	.21				T.	.46		.24	1.10								.03		.09	.65	5.84
Shippensburg	Lower Susq		1.01	.01			.73	.49		T.	.45	.59	.01				.01	.22		.95	T.	T.							.01		.08	.60	5.16
State College	W. Br. Susq		1.10	T.	T.		.72	T.		.04	.11	.45	.06				.11	.14	T.	.21	.69	T.						T.	T.	T.	.06		3.69
Stroudsburg||||	Upper Del		1.54					1.07			.03	.18		.66				.68			2.00											.60	6.76
Sunbury||||	Lower Susq		.35	.90				.71			.28	.31	.46					.20		.07	1.05	T.		T.			T.		.03		T.	.13	4.49
Susquehanna||||	N. Br. Susq		.08	.56				.21				.30	.54					.12	T.	T.	.18	.05	.01				.07		T		.05	.05	2.22
Towanda	N. Br. Susq		.82	.01		T.	.01	T.	T	T.	.01	.50	.10				T.	T.	T.	.14	.28	T.	T.				T.	T.			.01	.18	2.06
Weikert	Lower Susq	1.25					.40				.40	.40					.32			.60	.65	.04									.08	.50	4.64
Wellsboro	N. Br. Susq		.74				.04	T.			.11	.44	T.				T.	.18		.10	.26	T.	T.					T.	T		.11	.60	2.58
West Chester	Lower Del		.66	.25			.38	1.29			.02	.63	.26				T.	.60		.18	1.07		T.								.08	.52	5.94
Westgrove||||	Lower Del		.34	.68				1.78				.24	.62	.07				.62			1.32								.05		.04	.06	5.82
Wilkes-Barre||||	N. Br. Susq		.23	1.17				.60			.31	.21	.46					.11		T.	.40	T.	T.				T.	T.	T.		.02	.02	3.53
Williamsport||||	W. Br. Susq		.25	.97				.20			.07	.17	.37					.19		.02	.61										.02	.20	3.07
Williamstown	Lower Susq		1.20	.25			.68	.12		T.	.55	.54					T.	.42		.76	.46		T.								T.	.58	5.56
York	Lower Susq		1.10	.11			.48	.53		.02	.19	.61	.03				.12	.88		.60	.68								T.		02	.50	5.87
York Haven||||	Lower Susq		.23	.89				.65			.19	.12	.44					.82		T.	.38										T.	.15	3.87
Zionsville..(near)	Schuylkill		.70	.33			.85	.75		.04	.03	.80	.02					.80		.30	1.20	.01									.02	1.04	6.89
Trenton, N. J***	Lower Del		1.09				1.04	.34		T.	.01	.71	.07				.44	.02		.75	.27		T.						.01	T.	.07	.62	5.44

Continued on page 59.

Daily Precipitation for December, 1936—Continued from page 58

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	....	.40	.33	T.	....	T.	.35	....	....	....	.13	.02	....	....	....	....	....	....	.21	.61	.05	....	....	....	....	....	....	.01	....	.26	.26	2.63
Bradford	Allegheny	....	.30	....	T.	....	.11	.28	....	....	....	.05	....	....	....	....	....	....	T.	T.	1.12	.08	.06	....	....	....	....	T.	.17	T.	.35	.36	2.88
Brookville‖‖	Allegheny	....	.35	.38	....	....	.03	.80	....	....	....	.24	.08	....	....	....	....	.04	....	.30	1.26	.22	.01	T.	....	....	....	....	.08	....	.22	.60	4.61
Butler	Ohio	....	.55	....	....	....	.40	....	....	....	....	.15	....	....	....	....	.05	....	....	*	.71	....	....	....	....	....	....	.05	....	....	.26	.50	2.67
Chambersville	Allegheny	....	.50	....	....	....	.49	.43	....	....	....	.28	.03	....	....	....	....	.05	....	.24	1.54	.02	T.	....	....	....	....	T.	.01	.03	.18	.33	4.13
Clairton‡	Monongahela	....	.92	....	....	....	.60	....	....	....	T.	.17	....	....	....	....	.05	....	T.	1.06	.36	....	....	....	....	....	....	.01	....	.02	.03	.12	3.34
Claysville	Ohio	....	.77	....	.01	....	.36	.24	....	....	....	.22	.07	....	....	....	T	.01	....	.07	.69	....	....	....	....	....	....	....	.06	.04	.01	.24	2.79
Confluence‖‖	Youghiogheny	....	.43	.42	....	....	.16	1.10	....	....	....	.12	.35	....	....	....	....	.15	....	.15	1.17	.18	....	....	....	....	....	....	.05	....	....	.32	4.60
Corry	Allegheny	....	.41	.23	.37	.05	....	.04	.02	....	....	.03	....	....	....	....	....	....	.22	.54	.17	.34	....	....	....	....	....	.17	.21	.01	.28	.67	3.76
Derry	Conemaugh	....	.96	....	....	....	.54	.44	....	....	....	.37	.06	....	....	....	T.	....	....	.10	1.55	.05	....	....	....	....	....	T.	....	T	....	....	4.07
Donora‖‖	Monongahela	....	.90	.02	....	....	.24	.41	....	....	....	.26	.05	....	....	....	....	.08	....	....	.12	1.18	.01	....	....	....	....	....	....	T.	.11	.13	3.51
Ebensburg	Conemaugh	....	.13	.91	....	....	....	.96	....	....	....	.20	.40	....	....	....	.11	....	....	.08	.85	.71	....	....	....	....	....	....	.01	....	T.	.27	4.63
Elk Lick	Youghiogheny	....	.30	....	....	....	2.00	....	....	....	....	.02	....	....	....	....	....	....	.02	....	.80	....	....	....	....	....	....	....	....	....	....	1.50	3.64
Franklin‖‖	Allegheny	*	.24	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	.30	.28	....	....	....	....	....	....	....	....	.52	.65	2.24
Greensboro‖‖	Monongahela	....	.42	.46	T.	....	.07	.79	....	....	....	.20	.25	....	....	....	....	.04	....	.07	1.12	.04	....	....	....	....	....	....	.10	....	....	.34	3.90
Greensburg	Youghiogheny	....	.93	....	....	....	.69	T.	....	....	T.	.33	.02	....	....	....	.04	T.	....	.11	1.41	T.	T.	....	....	....	....	T.	....	.05	.11	.18	3.87
Greenville	Beaver	....	.45	....	T.	....	.25	T.	....	....	....	....	....	....	....	....	....	....	....	.13	.27	.20	....	....	....	....	....	T.	.12	T.	.36	.42	2.20
Grove City	Beaver	....	.60	....	....	....	.09	.20	....	....	.01	.12	....	....	....	....	....	....	....	.10	.44	....	T.	....	....	....	....	T.	.10	.05	.34	.53	2.58
Herrs Isl. Dam‖‖	Ohio	....	.54	.16	T.	....	.05	.34	....	....	....	.18	.09	....	....	....	....	.03	....	.28	.89	.06	T.	T.	....	....	....	....	.02	....	.04	.24	2.92
Irwin	Monongahela	....	.85	.06	....	....	.40	.31	....	....	....	.35	.07	T.	....	....	.06	.05	....	.22	1.47	T.	....	....	....	....	....	....	.04	.05	.20	.18	4.31
Johnstown	Conemaugh	....	.93	....	....	....	1.22	.16	....	T.	.07	.44	T.	....	....	....	.15	.04	....	.15	1.27	.06	....	....	....	....	....	.01	.02	....	T.	.29	4.81
Kane (near) ‡‡	Allegheny	....	.15	....	....	....	.12	.35	....	....	....	.10	....	....	....	....	....	T.	....	.08	.37	.12	.01	....	....	....	....	.06	.19	....	.33	.55	2.43
Kregar‖‖	Youghiogheny	.84	.40	.03	....	.17	1.14	....	....	....	.09	.31	....	....	....	....	.08	....	.12	1.32	.16	....	T.	....	....	....	....	T.	....	.05	.28	.03	5.02
Lake Lynn‖‖	Monongahela	....	.22	.44	.02	....	.06	.75	....	....	....	.15	.23	....	....	....	....	.03	....	.23	1.01	.10	....	....	....	....	....	....	.03	....	....	.10	3.37
Linesville‖‖	Beaver	....	.27	.45	....	....	.09	....	....	....	.04	....	....	....	....	....	....	....	....	.03	.04	....	....	....	....	....	....	....	.40	....	.20	.12	1.64
Lock No. 2‖‖	Ohio	....	.33	.15	....	....	.03	.28	....	....	....	.16	.03	....	....	....	....	....	....	.04	.93	T.	....	....	....	....	....	....	.04	....	.05	.27	2.31
Lock No. 4‖‖	Monongahela	....	.47	.48	.01	....	.09	.62	....	....	....	.19	.18	....	....	....	....	.10	....	.08	1.20	.02	T.	....	....	....	....	....	.03	....	.06	.31	3.84
Lock No. 5‡‡‖‖	Allegheny	....	.49	.29	....	....	.04	.52	....	....	....	.16	.08	....	....	....	....	.04	....	.25	1.26	.22	....	....	....	....	....	....	.05	....	.15	.41	3.96
Lycippus	Conemaugh	....	1.10	.13	....	....	.75	....	....	....	....	.67	....	....	....	....	.11	....	....	1.16	.03	....	....	....	....	....	....	....	....	.06	T.	.31	4.32
McKeesport‖‖	Monongahela	....	.62	.29	....	....	.11	.29	....	....	....	.16	.10	....	....	....	....	T.	....	.28	1.20	T.	....	....	....	....	....	....	T.	....	T.	.17	3.22
Meadville	Allegheny	....	.37	....	....	....	.11	.09	....	....	....	.06	....	....	....	....	....	....	....	.06	.52	.10	....	....	....	....	....	.08	.12	T.	.25	.70	2.46
Midland	Ohio	.52	....	....	.02	....	.17	.17	....	....	.03	.10	....	....	....	....	....	....	....	.08	.30	.08	....	....	....	....	....	....	.06	.10	.29	.39	2.31
Mosgrove‖‖	Allegheny	....	.36	.32	....	....	.02	.61	....	....	....	.16	.08	....	....	....	....	T.	....	.20	1.46	.15	.02	....	....	....	....	....	.03	....	.18	.53	4.12
Mount Lebanon	Ohio	....	.58	....	....	....	.35	T.	....	....	T.	.28	....	....	....	....	T.	....	....	.44	.53	T.	....	....	....	....	....	.02	....	T	.03	.30	2.53
Natrona‖‖	Allegheny	....	.35	.27	.02	....	.04	.46	....	....	....	.16	.06	....	....	....	.02	....	....	.14	1.22	.08	T.	....	....	....	....	....	.05	....	.21	.35	3.42
New Castle‖‖	Beaver	....	.38	.09	.01	....	T.	.19	....	....	....	.10	.01	....	....	....	....	....	....	.13	.57	.10	....	....	....	....	....	....	.07	....	.31	.37	2.33
Newell	Monongahela	....	*	1.00	....	....	1.00	....	....	....	....	.30	....	....	....	....	....	.05	.10	.20	....	....	....	....	....	1.00	.20	....	....	....	.20	....	4.05
Parkers Landing‖‖	Allegheny	....	.26	.21	.02	....	.02	.42	....	....	.02	.16	T.	....	....	....	....	T.	....	.10	.62	.10	T.	T.	....	....	....	....	.12	....	.22	.79	3.06
Pennline‖‖‡‡	Beaver	....	.25	.09	....	....	.03	.05	....	....	....	.06	....	....	....	....	....	....	....	.10	.22	.03	....	....	....	....	....	....	.40	....	.15	.50	1.88
Pittsburgh***	Ohio	....	.97	T.	.01	T.	.45	T.	....	....	T.	.30	....	....	....	....	.02	T	.11	.93	.34	T.	T.	....	....	....	....	.03	T.	T.	.02	.21	3.39
Punxsutawney‖‖	Allegheny	....	.30	.26	T.	....	.01	.93	....	....	....	.17	.18	....	....	....	....	.03	....	.16	1.21	.26	....	....	....	....	....	....	.02	....	.26	.62	4.41
Ridgway	Allegheny	....	.20	.28	T.	....	T.	.41	....	....	....	.22	.12	....	....	....	....	.11	T.	.20	1.35	.09	.02	T.	....	....	....	....	.03	....	.21	.79	4.03
Saltsburg‖‖	Conemaugh	....	.39	.10	....	....	.10	1.10	....	....	....	.20	.15	....	....	....	....	.05	....	.20	.14	.25	....	....	....	....	....	....	T	....	.04	.46	3.18
Sharon‖‖	Beaver	....	.35	.08	....	....	....	T.	T	....	....	.05	T.	....	....	....	....	....	....	.15	.15	.08	....	....	....	....	....	....	.14	....	.37	.43	1.80
Smethport‖‖	Allegheny	....	.20	.55	....	....	....	....	....	....	....	.02	....	.05	....	....	....	.02	....	....	....	.05	.40	....	....	....	.02	....	T.	T.	.65	....	1.96
Somerset	Youghiogheny	....	.92	....	.01	....	.84	.28	....	....	....	.54	.09	....	....	....	.05	.05	....	.33	.85	.07	....	....	....	....	....	....	.03	....	.02	.53	4.61
Springdale‖‖‡‡	Allegheny	....	.45	.36	.02	....	.06	.45	....	....	....	.13	.10	....	....	....	....	.04	....	.20	1.07	.05	....	....	....	....	....	....	.05	....	.09	.30	3.37
Uniontown	Monongahela	....	.72	....	....	....	.66	.30	....	....	....	.40	.15	....	....	....	.02	.02	....	.35	1.33	.02	....	....	....	....	....	T.	.16	....	....	.37	4.50
Unity Reservoir‡‡	Youghiogheny	....	.82	....	....	....	.80	.29	....	....	....	.35	.03	....	....	....	.08	.02	....	.15	1.26	.04	....	....	....	....	....	T.	....	.05	.05	.24	4.19
Vandergrift‡	Conemaugh	....	.67	....	....	....	.51	.02	....	....	.02	.15	....	....	....	....	.01	....	....	*	1.40	....	....	....	....	....	....	.03	....	.02	.08	....	2.91
Warren	Allegheny	....	.54	.04	....	....	.36	.04	....	....	....	.04	....	....	....	....	....	....	....	.20	.20	.23	.24	....	....	....	....	....	.08	....	.05	.22	2.24
Waynesburg	Monongahela	....	1.10	....	....	....	.49	.20	....	....	....	.42	....	....	....	....	T.	....	....	....	1.20	....	....	....	....	....	....	....	.15	....	.06	.24	3.86
Westford‖‖	Beaver	.34	.38	.29	.21	.16	.20	....	....	....	.03	....	....	....	....	....	....	....	.05	.42	.43	.35	.28	.16	....	....	....	.33	....	.18	.70	....	4.51
West Newton‖‖	Youghiogheny	....	.42	.39	....	....	.10	.60	....	....	....	.17	.15	....	....	....	....	.03	....	.05	1.28	.04	....	....	....	....	....	....	....	T.	.02	.23	3.48
Lake Drainage.																																	
Erie***	Lake Erie	....	.22	...	.01	....	.08	T.	....	....	T.	.02	T.	....	....	....	....	....	T	.21	.10	T.	T.	....	....	....	T.	.17	....	.05	.04	.29	1.19

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity *	Direction	Date	8 a. m.	12 noon	8 p. m.	
Erie	30.20	30.65	22	29.52	20	14.5	46	se.	19	76	65	70	30
Harrisburg	30.27	30.70	23	29.43	20	7.3	24	s.	20	72	64	69	48
Philadelphia	30.27	30.75	23	29 52	20	13.4	37	sw.	20	75	65	70	41
Pittsburgh	30.22	30.65	22	29.50	20	11.0	31	w.	20	81	68	72	49
Reading	30.27	30.72	23	29.46	20	11.7	46	se.	19	75	64	68	45
Scranton	30.26	30.70	23	29.36	20	6.8	23	sw.	20	72	62	68	34

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	3.6	6.2	12	2.1	2	18
Dingmans	Delaware	2.7	6.0	13	0.4	2	22
Lehighton	Lehigh	3.5	5.1	20	2.2	1	7
Wilkes-Barre	Susquehanna	5.6	8.9	13	2.4	2	20
Williamsport	Susquehanna	3.8	7.0	30	0.8	3	20
Harrisburg	Susquehanna	5.7	6.5	21	3.6	2	18
Greensboro	Monongahela	13.5	22.8	7	11.1	1	30
West Newton	Youghiogheny	2.5	6.9	8	0.3	1	20
Lock No. 4	Monongahela	14.0	21.4	8	10.8	1	30
Pittsburgh	Ohio	.....	18.6*	8	10.5*	2	25
Midland	Ohio	.....	18.6	29	9.2*	5	30

* —Pool stage.

Daily Temperatures for December, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	27	31	36	37	35	33	40	26	30	34	38	38	34	39	46	38	40	35	29	36	35	32	31	49	50	57	48	57	38	39	50	38.3
	Minimum	5	20	30	31	21	25	19	8	24	29	34	30	20	22	31	24	33	23	18	23	24	22	9	22	34	38	39	37	26	34	39	25.7
Bedford	Maximum	30	32	40	40	38	40	38	32	32	36	38	38	35	46	49	40	39	37	30	38	38	34	36	54	54	60	54	55	40	41	54	40.9
	Minimum	3	20	32	29	24	30	21	10	20	32	34	31	18	17	30	29	34	23	20	29	26	24	5	12	23	27	33	32	24	35	40	24.7
Bethlehem	Maximum	28	42	42	42	42	36	34	32	31	38	42	42	40	45	49	49	46	41	31	52	40	38	34	48	56	63	58	57	50	39	53	43.2
	Minimum	10	22	37	32	28	28	25	17	24	31	36	39	28	30	34	26	40	27	21	25	30	28	16	28	38	39	36	50	27	37	37	29.9
Brookville	Maximum	30	35	37	38	34	42	25	31	38	48	39	36	36	43	49	50	36	28	36	31	33	31	41	38	45	52	57	43	40	54	52	39.6
	Minimum	−10	12	27	30	20	21	16	0	3	29	30	28	20	10	10	17	20	23	18	22	23	23	0	5	18	28	28	31	21	30	38	19.1
Butler	Maximum	31	36	37	37	37	47	45	29	47	48	48	36	47	45	49	51	51	38	33	33	35	35	40	47	51	55	62	60	45	47	48	43.5
	Minimum	7	26	32	32	21	27	15	10	22	35	34	26	16	15	28	22	30	22	14	22	22	23	2	16	30	35	35	30	24	39	35	24.1
Carlisle	Maximum	33	35	42	44	39	34	37	35	34	41	40	41	43	48	54	44	46	41	32	42	42	40	38	47	52	60	57	55	48	45	51	43.2
	Minimum	7	18	33	32	26	28	24	15	22	31	29	34	25	24	27	21	34	24	21	21	29	25	15	15	25	29	31	30	25	33	39	25.5
Catawissa	Maximum	32	40	42	40	42	37	38	35	37	40	42	41	44	44	47	50	46	51	44	47	48	42	44	48	58	62	66	62	50	45	48	45.5
	Minimum	6	28	26	28	31	25	22	15	29	34	37	32	20	18	29	37	25	22	30	36	29	28	15	21	28	32	37	30	30	24	32	27.0
Chambersburg	Maximum	34	34	42	43	39	34	39	35	32	39	40	41	43	44	51	37	46	39	31	37	41	37	34	47	53	59	55	55	39	40	51	41.6
	Minimum	9	21	32	27	25	28	23	16	27	31	35	33	26	24	31	24	27	24	21	31	28	28	14	18	26	30	32	39	30	33	39	26.8
Chambersville	Maximum	32	38	40	38	37	43	49	36	41	50	47	40	34	45	48	49	45	37	35	38	33	34	44	46	48	53	60	57	43	52	56	43.5
	Minimum	5	21	31	30	20	25	15	9	24	34	35	26	18	15	28	24	33	22	19	21	22	21	2	27	30	30	43	35	24	37	40	24.7
Claysville	Maximum	39	37	37	40	36	52	52	37	50	53	52	34	35	46	51	51	46	36	39	37	36	34	46	52	53	57	64	61	56	64	63	46.6
	Minimum	10	29	32	32	15	29	18	15	24	36	32	24	16	18	25	25	27	27	27	22	21	22	10	26	34	39	49	36	29	49	43	27.1
Clearfield	Maximum	32	34	36	37	36	34	39	32	34	46	42	39	39	45	49	46	43	41	32	35	33	35	39	43	46	59	45	50	45	46	44	40.5
	Minimum	−3	18	29	29	20	24	16	0	12	31	33	28	22	13	28	25	31	26	16	23	22	14	24	30	24	26	20	28	22	31	28	22.3
Coatesville	Maximum	29	41	41	43	36	40	41	31	38	43	44	43	43	47	46	45	47	38	44	54	40	36	36	51	59	53	59	54	40	41	55	43.8
	Minimum	9	24	29	28	25	25	23	17	26	34	39	38	27	25	30	22	34	23	21	34	31	26	15	15	32	34	33	38	25	35	39	27.6
Corry	Maximum	30	28	30	31	33	35	34	33	38	50	44	33	45	42	50	48	44	35	32	33	30	35	37	49	48	47	59	54	41	48	53	40.3
	Minimum	17	15	20	25	27	31	15	17	27	29	31	28	25	15	30	28	28	20	18	27	24	20	8	30	37	38	41	30	24	35	37	25.7
Emporium	Maximum	30	31	37	38	38	36	38	31	34	41	40	37	39	45	49	48	40	33	33	36	33	31	52	54	52	61	62	65	52	43	54	42.4
	Minimum	−11	14	29	30	21	23	17	−2	15	34	34	30	25	15	26	18	32	20	16	25	26	24	8	26	18	32	34	36	17	34	43	22.9
Erie*	Maximum	32	36	36	37	34	45	31	35	42	51	39	31	40	46	48	50	41	29	37	37	33	30	41	51	53	55	62	40	44	57	55	41.9
	Minimum	8	24	33	24	23	31	16	16	27	39	31	26	24	30	35	37	28	21	24	26	27	22	20	41	43	48	40	30	28	40	37	29.0
Franklin‡	Maximum	36	36	38	37	38	46	25	37	45	48	37	33	42	47	48	49	37	29	35	32	35	30	41	50	53	56	61	42	48	56	51	41.7
	Minimum	−3	−1	28	30	20	20	14	7	8	20	33	26	16	16	17	22	24	20	20	22	22	23	5	9	26	31	34	37	25	28	42	20.7
Freeland	Maximum	23	35	35	34	33	33	40	28	30	41	41	38	33	41	43	42	43	31	32	47	33	29	32	45	54	59	55	51	34	36	50	38.7
	Minimum	18	15	27	24	18	19	14	11	19	28	36	28	19	21	30	30	29	16	12	25	25	19	11	25	38	43	44	31	19	30	36	24.5
Gettysburg	Maximum	32	36	43	48	40	33	41	35	34	42	41	41	42	48	51	42	49	38	32	41	43	39	35	53	61	64	59	57	45	41	51	43.8
	Minimum	10	22	33	27	26	27	27	18	23	33	36	37	28	25	32	24	37	25	24	32	30	28	17	20	32	33	35	45	32	35	40	28.8
Greensburg	Maximum	38	36	37	40	36	51	51	40	47	55	50	34	32	46	51	51	44	36	38	38	34	34	45	49	53	49	62	60	51	58	59	45.3
	Minimum	8	26	33	33	24	30	20	15	27	39	34	27	26	22	30	28	34	25	24	23	25	22	6	28	28	40	47	35	29	42	43	28.2
Grove City	Maximum	30	35	42	37	32	44	45	30	40	48	46	33	36	44	47	51	48	33	28	30	32	31	44	48	51	54	60	54	42	48	55	41.9
	Minimum	2	20	30	31	18	25	12	10	22	34	30	25	17	19	29	30	30	19	20	20	23	23	12	28	38	39	44	32	28	36	37	25.3
Hamburg	Maximum	28	41	43	43	38	35	41	33	35	42	43	44	41	45	52	45	47	41	34	52	41	38	36	48	55	60	57	54	43	40	52	43.4
	Minimum	8	24	33	32	27	26	24	17	24	32	38	36	27	26	28	24	39	23	20	31	31	28	15	22	28	35	37	40	25	34	38	28.1
Harrisburg*	Maximum	28	38	39	44	36	35	41	32	36	42	43	41	37	45	50	41	45	34	40	46	42	35	36	47	53	58	59	55	38	42	52	42.3
	Minimum	12	24	36	32	29	30	21	19	23	34	36	32	29	30	33	29	33	24	23	34	30	28	23	25	34	38	38	38	29	35	41	29.9
Hawley	Maximum	26	33	33	36	32	34	39	29	29	35	37	37	34	41	46	47	43	35	24	45	35	33	34	46	53	60	52	53	36	33	52	38.8
	Minimum	−5	13	31	25	21	14	19	6	13	28	32	30	15	10	26	14	34	19	7	24	27	18	4	23	28	35	26	36	12	29	33	20.9
Holtwood*	Maximum	29	43	39	45	36	38	39	32	39	41	41	40	37	39	43	40	44	35	46	48	39	35	38	38	46	45	52	52	41	44	52	41.2
	Minimum	12	29	36	31	31	32	24	21	30	36	38	36	31	30	30	29	35	28	29	37	33	28	21	26	30	31	34	35	34	37	38	30.7
Huntingdon	Maximum	31	33	38	44	43	34	33	31	31	37	37	37	39	47	48	40	48	35	35	37	39	35	37	54	55	62	54	58	39	44	53	41.5
	Minimum	2	21	33	29	26	26	20	8	15	31	34	32	25	17	26	19	24	20	20	29	23	18	10	13	27	27	31	30	21	37	35	23.5
Johnstown	Maximum	33	37	39	40	38	37	28	35	38	47	42	34	35	51	49	42	39	35	34	31	36	32	38	52	53	59	58	42	44	47	59	41.4
	Minimum	8	23	34	32	25	25	21	13	22	35	34	30	25	20	36	24	34	26	21	24	25	26	7	19	31	30	36	33	26	37	42	26.6
Lancaster	Maximum	31	45	41	45	42	35	40	35	40	42	42	44	40	48	48	45	49	44	38	54	46	40	40	53	59	63	64	58	46	44	51	45.5
	Minimum	6	20	35	25	23	23	28	17	22	34	37	37	25	21	22	20	39	22	23	36	30	25	15	18	23	25	28	44	22	35	41	26.5
Lawrenceville	Maximum	32	34	32	40	35	37	37	32	37	42	40	35	38	44	50	47	39	33	35	43	37	32	35	51	54	55	56	56	37	43	52	41.0
	Minimum	−2	17	28	25	18	13	14	−1	8	33	32	28	25	12	29	19	27	16	10	28	27	18	8	25	30	36	38	33	18	33	41	22.1
Lebanon‡	Maximum	31	39	38	42	36	38	37	33	38	42	41	40	38	47	51	43	47	33	52	39	42	35	38	49	58	62	62	52	37	50	52	43.3
	Minimum	10	12	30	28	28	23	30	18	19	27	37	37	22	24	25	26	28	25	22	23	30	27	16	20	23	28	30	35	24	29	36	25.5
Marcus Hook*	Maximum	50	50	49	53	42	48	35	41	47	48	47	46	46	50	51	54	47	42	55	45	43	37	49	58	74	62	62	55	47	60	60	50.1
	Minimum	29	39	35	31	31	32	21	30	39	43	41	32	32	33	34	45	29	29	35	37	31	24	32	35	38	39	52	32	39	41	38	34.8
Meadville	Maximum	30	35	36	35	32	42	44	33	42	49	46	32	38	44	47	48	47	33	33	33	33	31	41	49	49	59	61	54	40	67	56	42.5
	Minimum	−4	21	32	30	20	28	13	12	24	36	31	26	17	23	31	31	31	20	21	23	24	23	11	32	39	41	45	32	28	38	39	26.4
Montrose	Maximum	24	33	33	32	31	33	36	27	30	40	39	35	30	37	43	42	39	28	31	44	32	29	29	45	48	58	52	52	35	38	50	37.3
	Minimum	−6	15	26	23	18	14	13	5	16	29	34	25	17	16	30	27	27	13	10	25	25	14	10	25	35	40	40	29	18	30	37	21.9
Mount Pocono	Maximum	16	23	33	35	32	38	38	28	27	40	40	32	31	40	42	42	42	30	27	45	31	31	31	43	52	52	50	50	30	35	49	36.6
	Minimum	3	2	24	24	20	19	11	10	15	20	32	25	18	18	28	24	22	12	24	24	26	26	12	24	39	36	35	25	18	28	30	21.7
Philadelphia*	Maximum	31	48	44	46	40	49	46	32	39	50	47	44	45	45	50	51	52	37	52	56	40	37	34	47	59	62	60	58	43	45	60	46.7
	Minimum	15	31	36	34	31	29	23	21	30	38	43	39	31	31	33	34	34	26	26	36	35	29	23	29	36	39	41	40	33	40	41	32.5
Pittsburgh*	Maximum	37	36	37	38	33	50	38	36	45	53	45	30	35	45	45	50	43	30	36	35	34	30	42	48	51	56	61	53	49	61	61	43.3
	Minimum	10	29	32	27	23	33	16	15	26	38	30	26	22	23	31	34	30	25	26	23	23	20	16	29	37	40	50	32	30	45	36	28.3
Quakertown	Maximum	26	44	45	43	39	34	42	30	36	41	42	40	39	43	47	47	47	39	34	54	40	38	33	48	55	58	59	56	43	40	56	43.2
	Minimum	4	24	30	32	25	23	24	16	23	33	36	33	25	25	30	20	38	23	17	34	31	27	12	24	30	31	28	41	23	34	38	26.9
Reading*	Maximum	29	44	39	43	40	40	41	34	39	43	44	43	41	48	49	46	46	34	50	56	46	35	40	54	61	64	65	62	39	42	59	45.7
	Minimum	13	27	34	34	30	28	23	21	28	39	40	34	29	30	35	28	33	23	23	35	33	29	22	29	40	46	46	39	29	36	41	31.5
Ridgway‡	Maximum	31	35	35	38	33	45	22	32	37	46	40	35	37	43	48	49	38	33	38	32	33	32	40	49	51	53	59	44	40	54	54	40.5
	Minimum	−10	−10	28	31	19	19	16	1	3	28	35	29	23	12	19	19	33	19	17	20	23	18	1	9	28	30	33	36	19	25	37	19.5
Scranton*	Maximum	31	40	36	38	28	38	38	35	36	45	44	38	33	42	47	53	47	29	40	52	38	29	34	47	55	60	57	54	40	47	55	42.2
	Minimum	5	26	30	28	24	25	20	15	22	36	38	28	23	20	30	26	28	17	17	31	29	18	13	29	41	39	37	31	22	36	42	26.6
Selinsgrove	Maximum	30	35	36	41	41	35	35	34	32	38	38	40	38	44	50	47	37	35	48	40	40	34	36	50	56	61	58	54	40	43	52	41.9
	Minimum	7	24	31	29	25	28	26	15	25	31	34	35	27	19	28	20	28	24	25	32	28	27	17	19	27	34	42	40	24	34	41	27.3
Somerset	Maximum	27	35	35	35	33	42	40	29	32	38	38	36	27	47	40	36	36	32	33	33	29	29	40	48	49	45	55	51	42	45	53	38.4
	Minimum	4	19	30	31	19	25	16	8	19	31	35	25	20	15	25	18	32	21	18	20	19	18	−8	7	26	30	31	33	22	33	40	22.0
State College	Maximum	33	33	33	44	33	34	39	28	34	37	36	36	35	45	44	41	39	33	34	38	40	35	35	51	52	56	53	59	41	42	56	40.3
	Minimum	2	20	28	28	20	28	16	7	20	31	33	31	24	21	31	20	32	19	17	28	24	22	14	20	36	36	39	35	23	32	35	24.9
Stroudsburg‡	Maximum	31	40	37	44	31	42	39	29	35	40	41	41	40	45	56	52	47	41	54	45	42	36	35	58	60	56	61	64	47	53	45	45.1
	Minimum	4	5	24	30	24	23	24	13	14	26	34	29	27	18	18	19	20	25	15	21	31	30	13	23	33	40	37	42	18	33	37	24.2
Towanda	Maximum	28	36	36	37	36	40	39	30	35	42	41	37	33	38	39	37	39	28	30	47	39	29	38	51	54	61	58	57	38	46	55	41.5
	Minimum	0	19	29	28	18	20	16	10	23	34	34	29	18	14	26	22	26	14	12	30	27	18	10	27	31	37	36	29	19	36	34	23.4
Uniontown	Maximum	39	36	39	45	41	52	52	40	48	55	50	36	36	47	47	45	47	36	38	38	36	33	47	44	55	50	64	60	60	61	63	46.9
	Minimum	15	29	33	33	20	35	23	18	29	38	36	29	26	20	31	27	35	27	26	25	23	23	9	22	32	35	43	40	32	47	41	29.1
Vandergrift*	Maximum	39	37	38	44	36	53	42	38	42	55	45	32	35	46	48	52	43	33	38	38	40	33	42	48	53	56	64	57	48	59	60	45.0
	Minimum	11	29	33	26	24	34	16	16	22	34	32	29	22	21	26	22	26	36	27	28	26	13	8	20	32	32	39	29	32	45	31	26.4
Warren	Maximum	40	32	36	38	36	44	36	26	34	45	45	37	34	44	45	44	47	36	34	34	34	[illegible]	32	42	48	50	60	45	40	45	55	40.1
	Minimum	−10	21	33	30	22	14	14	10	25	34	37	30	26	20	34	31	36	20	26	28	28	25	15	30	35	42	45	34	25	38	34	26.8
Waynesburg	Maximum	44	38	37	43	40	53	53	40	54	54	49	38	38	49	50	46	45	38	41	36	38	40	48	54	55	58	66	66	64	64	63	47.9
	Minimum	10	30	32	34	18	30	20	14	23	33	33	26	24	19	28	21	30	25	28	25	24	24	8	21	20	33	48	33	29	[illegible]	[illegible]	27.2
Wellsboro	Maximum	24	35	42	38	34	35	38	28	36	40	38	33	33	40	44	45	36	27	35	42	34	26	35	46	49	54	54	53	29	51	52	38.7
	Minimum	−5	11	27	25	15	16	13	−1	15	32	33	29	22	11	22	17	27	13	−10	26	26	17	7	19	29	34	27	18	18	31	[illegible]	19.9
Williamsport	Maximum	25	37	36	40	38	36	38	29	36	39	39	39	37	37	46	44	40	37	36	47	38	35	33	41	48	56	45	54	35	43	52	39.9
	Minimum	5	21	33	30	25	28	20	11	22	39	39	34	21	24	24	20	34	20	17	30	30	25	15	19	27	34	45	35	22	35	41	25.6
Williamstown	Maximum	27	38	40	40	45	42	34	31	33	41	44	43	45	46	48	45	46	34	40	39	50	47	34	50	60	63	65	64	60	38	52	45.1
	Minimum	6	18	29	28	22	28	20	16	23	30	37	30	21	24	24	27	32	34	21	27	28	16	[illegible]	24	39	38	42	41	24	30	36	26.6
York	Maximum	32	44	39	47	37	37	39	39	38	44	41	41	40	47	47	40	45	41	34	51	43	39	39	52	58	62	65	59	45	44	55	44.6
	Minimum	8	20	33	25	26	26	28	18	22	35	38	38	27	21	27	20	34	22	25	33	29	25	16	18	25	28	31	44	24	36	43	27.3

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* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

SAVINGS
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION,

G. S. BLISS.
PHILADELPHIA, PA.

Vol. XLI. Annual Summary, 1936. No. 13.

GENERAL SUMMARY.

The fore part of January was mild, and the latter part intensely cold, with the result that average temperatures were the lowest for any January during the last sixteen years. The intense cold caused many deaths, and widespread suffering among the poor and the unemployed. The lowest temperature for the State was 30 degrees below zero at Ebensburg, on the 23d. Precipitation averaged about thirty per cent above the normal, with heavy rains at the beginning of the month, and heavy snows on the 19th and 20th. February was a cold, stormy, and generally disagreeable month. With the single exception of 1934, it was the coldest February in the last 30 years, and served to prolong and intensify the suffering among the poor. Precipitation averaged below the February normal, yet there was a moderate excess of snowfall. March temperatures were mostly above the normal, and its precipitation the heaviest of record. The accumulated snow-cover of January and February was increased by from two to four inches during the first week of March. Heavy rains and the melting of this snow-cover on the 11th and 12th flooded all of the streams in the State, in some places exceeding all previous gage heights. These flood waters had only partly subsided when excessive rains from the 17th to 19th, inclusive, brought the streams to much higher stages than occurred in the first rise. At nearly all stations, the gage readings were the highest of record. Upwards of a hundred lives were lost, and upwards of four thousand persons suffered serious injuries, while the property damage exceeded $300,000,000. April was unseasonably cold, and frosts were of frequent occurrence throughout the month. The soil remained cold, and vegetation was slow in starting. Much seed failed to germinate, and much replanting was necessary. The first half of the month was rainy with considerable snow in the northern half of the State, but little precipitation occurred after the 15th, and the soil dried out quite rapidly. May was abnormally warm and dry, with a cold period centering on the 15th, during which frosts did considerable damage to gardens and truck crops. Precipitation was so light in most regions that the soil became too dry to germinate seeds, and crops that were up grew slowly. June temperatures were mostly favorable, but the rainfall continued deficient, and by the end of the month the drought condition was serious, and had done much permanent damage to crops. Wheat and rye ripened earlier than usual, and did not suffer much from the drought, but pastures and meadows were thin and backward, while oats was seriously stunted. July temperatures were mostly seasonable excepting a hot week that centered on the 9th and 10th, when previous records for high temperatures were broken at many stations. The rainfall continued deficient until the last week, when refreshing showers came just in time to save the corn crop. August was warm and humid, with rainfall above the average. Severe thunderstorms did considerable damage, which, however, was overtopped by their benefits. A good corn crop developed rapidly, and pastures and meadows improved. September was warm and dry, but generally favorable. Timely rains on the 13th and 24th were sufficient to keep crops growing. October was mostly seasonable, with a moderate excess of rainfall that was beneficial for the winter grains, and for late feed and forage crops. November was moderately cold and dry, but was favorable for outdoor pursuits, and for the closing up of field work. The heaviest precipitation occurred on the 4th and 5th, beginning as heavy rains, and changing to heavy snows in some regions. Warren, Crawford, and Venango Counties had a snowfall in excess of twenty inches. December was moderately warm and wet, but with snowfall less than the average, and there was little snow cover on the fields. Frost did not penetrate deeply, and there was no harm to the winter grains.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.9	100	−31	45.91	39.7	130	110	116	140
1889	49.8	96	−27	52.67	22.3	136	112	113	140
1890	50.5	101	−18	51.28	55.5	141	106	116	143
1891	50.6	100	−14	45.65	34.1	124	124	108	133
1892	49.3	103	−28	41.30	54.0	125	123	106	137
1893	48.7	102	−25	44.26	61.6	126	116	120	129
1894	51.3	103	−28	43.69	63.1	117	132	116	117
1895	49.4	104	−25	33.51	39.7	104	143	115	107
1896	50.5	101	−26	41.95	42.4	114	124	113	129
1897	50.0	103	−12	42.73	37.2	124	128	106	131
1898	51.3	107	−16	45.49	38.8	130	123	107	135
1899	50.0	101	−39	40.93	47.9	112	134	111	120
1900	51.5	104	−23	37.31	83.3	111	130	114	121
1901	49.4	107	−22	45.54	35.4	123	118	111	136
1902	49.6	100	−24	47.29	60.3	125	123	115	127
1903	49.6	99	−17	46.27	37.3	121	130	105	130
1904	47.5	99	−42	40.44	50.8	127	133	104	129
1905	49.4	99	−25	43.34	40.9	128	133	109	123
1906	50.8	99	−21	42.78	45.0	129	128	104	133
1907	48.5	98	−23	45.45	54.5	132	136	102	127
1908	50.9	104	−29	39.58	54.4	108	157	104	105
1909	50.2	100	−19	37.38	41.4	117	140	102	123
1910	49.9	99	−22	38.99	67.6	119	135	99	131
1911	51.1	105	−18	45.52	39.2	133	131	93	141
1912	49.0	100	−35	44.13	38.6	126	133	99	134
1913	51.7	102	−9	43.25	24.4	125	148	84	133
1914	49.3	101	−28	38.24	64.2	122	144	97	124
1915	50.1	99	−26	44.26	42.8	131	141	99	125
1916	49.6	108	−31	40.98	51.4	133	153	100	113
1917	47.3	105	−29	41.71	45.6	130	143	110	112
1918	50.2	108	−34	44.06	43.4	124	156	98	111
1919	51.1	104	−23	46.86	26.2	136	152	96	117
1920	49.2	99	−23	40.63	46.0	101	146	102	118
1921	53.1	104	−15	41.80	30.2	130	155	96	114
1922	51.4	100	−19	34.88	39.1	119	155	97	113
1923	50.4	103	−20	39.17	40.7	125	158	91	116
1924	48.4	102	−25	43.13	44.1	123	151	97	118
1925	50.3	104	−29	37.86	44.2	124	149	101	115
1926	48.7	105	−20	43.11	49.8	135	136	99	130
1927	50.9	100	−24	42.30	30.3	140	142	91	132
1928	50.5	99	−23	42.06	37.8	131	145	102	119
1929	50.5	101	−20	44.21	36.7	129	144	99	122
1930	51.2	108	−24	28.82	27.6	110	153	94	118
1931	52.8	105	−16	37.36	22.5	123	151	94	120
1932	51.6	105	−14	39.02	27.8	121	152	92	122
1933	51.7	107	−22	45.43	33.1	135	146	96	123
1934	50.6	107	−34	39.17	30.4	118	159	95	111
1935	50.2	104	−26	40.43	49.7	136	138	92	135
1936	50.4	111	−30	42.57	50.1	127	147	93	126
Period	50.2	111	−42	42.09	42.3	125	136	105	124

Climatological Data for the Year 1936

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic Drainage.																				
Allentown	Lehigh	254	14	51.5	103	July 9†	−5	Jan. 23†	24	43.85	6.48	Jan.	0.87	Sept.	40.7	138	194	104	68	ne.
Altoona	Blair	1,615	40	48.6	99	do. 10†	−15	do. 23	49	47.31	9.50	Mar.	1.20	Feb.	64.0	126	153	98	115	w.
Ardmore	Montgomery	350	5	52.6	105	do. 10	−6	do. 23	5	45.18	7.61	Jan.	0.91	Nov.	25.9	113	115	113	138	......
Arendtsville	Adams	700	14	50.2	102	do. 9†	−10	do. 23	15	44.61	5.94	Aug.	0.55	Sept.	......	106	219	45	102	nw.
Bedford	Bedford	1,060	5	50.8	104	do. 10	−17	do. 26	5	45.19	9.57	Mar.	1.45	do.	62.0	103	178	35	153	nw.
Bethlehem	Northampton	364	34	53.3	104	do. 9	−5	do. 23	51	42.30	6.36	do.	1.03	do.	35.1	135	154	40	172	w.
Carlisle	Cumberland	467	70	52.5	104	do. 9†	−12	do. 26	47	41.51	6.52	Dec.	1.05	Nov.	61.5	123	190	58	118	nw.
Catawissa	Columbia	520	40	51.2	104	do. 9	−12	do. 26	40	41.20	6.98	Aug.	1.47	Feb.	59.3	119	196	61	109	......
Center Hall	Center	1,272	35	49.0	102	do. 10	−12	do. 23	40	42.94	9.26	Mar.	0.74	do.	53.7	100	186	82	98	......
Chambersburg	Franklin	580	37	52.8	107	do. 10	−10	do. 26	40	45.47	6.48	do.	1.53	Nov.	45.8	122	120	125	121	ne.
Clearfield	Clearfield	1,120	26	49.0	103	do. 9†	−20	do. 26	29	48.77	9.42	do.	0.50	Feb.	90.9	144	127	124	115	nw.
Coatesville	Chester	380	49	51.5	104	do. 10	−5	do. 23	49	46.18	7.10	Dec.	1.15	Nov.	27.7	117	122	40	204	nw.
Colebrook	Lebanon	560	21	50.2	97	do. 10	−11	do. 23	27	47.67	6.91	June	1.14	do.	46.4	137	181	57	128	w.
Emporium	Cameron	1,050	49	......	103	do. 9	−17	do. 26	49	*40.41	*7.36	Mar.	1.20	Sept.	......	......	......	......	......	w.
Ephrata	Lancaster	380	36	53.4	106	do. 9†	−5	do. 23	44	42.91	6.18	Jan.	1.30	Nov.	29.9	122	145	70	151	s.
Freeland	Luzerne	1,970	43	47.3	97	do. 9†	−15	do. 23	43	41.28	7.78	Mar.	1.48	Sept.	59.2	142	103	86	177	w.
George School	Bucks	190	30	53.0	106	do. 9	−5	do. 23	30	48.14	8.87	Aug.	0.77	Nov.	21.2	129	185	88	93	s.
Gettysburg	Adams	553	61	53.6	104	do. 10	−7	do. 23	63	44.90	6.38	July	0.96	do.	36.2	130	166	77	123	w.
Gordon	Schuylkill	840	35	49.1	101	do. 9	−18	do. 26	33	46.52	7.82	Mar.	1.18	July	69.0	116	192	60	114	w
Gouldsboro	Wayne	1,875	13	42.7	90	do. 10†	−18	do. 23	22	44.74	8.16	do.	0.98	Sept.	70.5	110	197	66	103	w.
Hamburg	Berks	535	40	52.5	104	do. 10	−5	do. 23	40	46.02	6.60	Aug.	0.86	do.	36.9	123	147	130	89	sw.
Hanover	York	600	32	54.1	105	do. 10	−6	do. 23	32	43.36	6.00	Jan.	0.81	do.	32.2	118	173	62	131	s.
Harrisburg	Dauphin	337	48	52.6	103	do. 9	−6	do. 23	67	45.18	6.61	Mar.	1.35	Nov.	45.5	133	106	115	145	w.
Hawley	Wayne	900	18	46.3	100	do. 9	−18	do. 26†	18	40.11	7.52	do.	0.86	July	53.2	136	199	82	85	w.
Holtwood	Lancaster	200	17	54.2	101	do. 10	−4	do. 23	19	33.45	5.22	do.	0.65	Nov.	32.3	113	163	74	129	......
Huntingdon	Huntingdon	650	49	50.3	103	do. 9†	−19	do. 26	49	47.29	8.32	do.	2.23	Feb.	46.5	103	137	100	129	w.
Hyndman	Bedford	977	24	......	......	....	−14	do. 25	24	*46.30	10.04	do.	0.84	May	.....	......	......	......	......	......
Kylertown	Clearfield	1,637	7	46.4	99	do. 9	−15	do. 23	7	40.47	9.15	do.	1.64	do.	59.3	163	72	117	177	w.
Lancaster	Lancaster	255	33	52.1	104	do. 10	−13	Feb. 10	49	46.06	6.92	Aug.	0.94	Sept.	27.5	121	166	128	72	nw.
Lawrenceville	Tioga	1,000	39	48.1	107	do. 9	−14	Jan. 25	39	33.83	7.78	do.	0.90	Feb.	55.5	97	142	115	109	......
Lebanon	Lebanon	469	48	51.7	105	do. 9†	−7	do. 23	52	45.63	6.67	Mar.	1.18	Nov.	38.3	130	209	65	92	sw.
Lock Haven	Clinton	580	46	......	105	do. 9†	−12	do. 26	46	*42.40	*7.87	do.	1.53	Feb.	......	......	......	......	......	sw.
Marcus Hook	Delaware	50	11	57.2	108	do. 9	1	do. 22	11	47.36	7.09	Aug.	0.71	Nov.	......	108	217	45	104	w.
Mt. Pocono	Monroe	1,720	31	44.6	92	do. 9	−14	do. 23	31	50.19	8.71	Mar.	1.24	Feb.	58.0	101	144	75	147	nw.
Muncy Valley	Sullivan	1,045	24	46.6	101	do. 9	−20	do. 24	24	42.63	7.22	do.	1.27	Sept.	41.2	102	202	57	107	sw.
Neshaminy Falls	Bucks	60	21	51.9	105	do. 9	−9	Feb. 20	21	48.29	7.24	Jan.	0.74	Nov.	23.0	123	213	37	116	sw.
Palmerton	Carbon	398	10	49.8	101	do. 9	−10	Jan. 26	19	48.00	7.50	Mar.	1.43	July	41.5	128	148	124	94	ne.
Philadelphia	Philadelphia	26	65	54.8	104	do. 10	−2	do. 23	65	38.70	6.44	Jan.	0.69	Nov.	14.4	127	114	114	138	sw.
Phoenixville	Chester	100	26	54.3	111	do. 9†	−6	Feb. 20	27	45.53	7.15	Dec.	1.14	do.	23.7	114	159	124	83	w.
Quakertown	Bucks	496	49	50.4	102	do. 9†	−8	do. 19	51	48.46	12.01	June	0.89	Sept.	31.9	123	171	75	120	s.
Reading	Berks	266	39	53.2	102	do. 10	−5	Jan. 23	59	37.72	5.76	do.	1.02	do.	34.2	138	104	128	134	nw.
Retreat	Luzerne	900	3	49.0	102	do. 9	−11	Feb. 20	3	37.74	5.31	Mar,	1.40	July	57.0	110	164	99	103	nw.
Scranton	Lackawanna	746	42	50.1	103	do. 9	−8	Jan. 23	42	37.27	6.75	June	0.73	do.	44.9	136	74	158	134	sw.
Selinsgrove	Snyder	455	47	50.8	102	do. 9†	−12	do. 26	47	43.13	6.70	Mar.	2.14	Sept.	63.2	134	128	123	115	w.
Shippensburg	Cumberland	660	4	.....	104	do. 9	−8	do. 23	4	44.83	6.86	do.	1.16	May	54.2	117	143	68	155	sw.
State College	Center	1,217	48	49.0	102	do. 9	−14	do. 23	52	47.12	8.86	do.	2.24	Nov.	65.4	124	135	139	92	w.
Stroudsburg	Monroe	500	20	......	101	do. 10	−21	Feb. 1	21	45.18	8.91	do.	1.06	Sept.	33.5	90	192	45	129	w.
Towanda	Bradford	754	42	48.3	104	do. 9	−15	do. 20	42	36.54	6.99	do.	1.04	Feb.	39.4	141	106	126	134	nw.
Wellsboro	Tioga	1,419	56	46.1	104	do. 9	−19	Jan. 26	66	34.14	7.13	do.	0.89	do.	61.6	109	221	65	80	nw.
Williamsport	Lycoming	521	47	50.4	106	do. 9	−10	do. 23	50	38.79	8.95	do.	1.20	Sept.	43.4	130	165	56	145	w.
Williamstown	Dauphin	1,275	21	51.0	104	do. 11	−12	do. 23	21	44.27	7.25	do.	1.67	do.	47.0	107	146	108	112	sw.
York	York	400	37	52.7	105	do. 10	−10	do. 26	48	44.67	7.68	July	0.57	do.	32.0	126	183	116	67	w.
Ohio Drainage.																				
Brookville	Jefferson	1,173	25	45.5	100	July 10	−27	Feb. 20	47	45.87	8.43	Mar.	1.61	Sept.	......	171	82	107	177	......
Butler	Butler	1,077	14	49.6	104	do. 9	−19	Jan. 25†	14	42.33	7.83	do.	2.14	Jan.	66.0	108	159	104	103	nw.
Chambersville	Indiana	1,047	7	.....	104	do. 14	−19	do. 26	11	46.11	7.53	do.	1.13	May	58.4	145	146	39	181	w.
Clairton	Allegheny	1,020	6	50.9	102	do. 14	−15	do. 23	6	35.59	7.05	do.	0.87	do.	48.2	118	111	72	183	s.
Claysville	Washington	1,150	32	52.1	103	do. 14	−17	do. 23	32	39 35	6.98	do.	1.39	Sept.	56.1	142	202	60	104	s.
Corry	Erie	1,430	24	47.2	110	do 14	−14	Feb. 20	25	45.17	10.02	do.	1.10	do.	87.2	145	153	120	93	w.
Derry	Westmoreland	1,172	40	51.6	101	do. 14	−14	Jan. 23†	40	49.47	9.11	do.	1.82	May	60.9	139	163	103	100	w.
Donora	Washington	762	10	53.8	104	do. 9	−13	do. 23	10	38.15	6.96	do.	0.86	do.	......	127	99	147	120	w.
Ebensburg	Cambria	2,000	19	48.4	98	do. 14	−30	do. 23	19	53.41	9.48	Aug	2.16	Feb.	82.3	130	179	90	97	w.
Elk Lick	Somerset	2,680	19	......	96	Aug. 21	−22	do. 23	19	*49.13	8.65	Mar.	*1.59	May	......	......	......	......	......	w.
Franklin	Venango	957	43	48 1	106	July 9†	−20	Feb. 20	64	38.98	5.46	Aug.	1.85	Sept.	85.5	124	142	42	182	w.
Greensburg	Westmoreland	1,150	28	52.0	103	do. 14	−14	Jan. 23	28	47.49	6.21	do.	2.35	May	63.2	156	116	137	113	sw.
Greenville	Mercer	950	40	......	104	do. 9	.....	....	40	41.96	7.26	do.	1.71	Jan.	.....	133	152	61	153	......
Grove City	Mercer	1,256	29	49.2	102	do. 9†	−15	Jan. 23	29	30.60	3.99	do.	1.59	June	56.8	139	125	94	147	sw.
Irwin	Westmoreland	1,100	37	51.2	102	do. 9†	−15	do. 23	40	46.79	8.03	Mar.	1.28	May	58.5	155	226	66	74	......
Johnstown	Cambria	1,184	47	......	104	do. 9	−12	do. 23	55	50.05	9.25	Aug.	1.37	Nov.	......	......	......	......	......	......
Kane (near)	Elk	2,020	4	45.5	97	do. 9	−17	do. 23	4	40.76	8.62	Mar.	1.47	July	91.7	144	134	83	149	w.
Lycippus	Westmoreland	1,420	44	50.9	96	do. 10	−16	do. 23	45	47.29	8.43	do.	1.02	May	66.1	125	72	122	172	w.
Meadville	Crawford	1,080	43	49.4	104	do. 9	−14	do 23	44	39.19	5.57	Aug.	1.89	Jan.	81.6	139	130	78	158	w.
Mount Lebanon	Allegheny	1,180	11	50.8	104	do. 14	−15	do. 23	11	39.60	6.76	Mar.	1.48	May	46.8	123	136	93	137	sw.
New Castle	Lawrence	808	56	48.7	101	do. 15	−18	Feb. 20	52	36.33	4.67	Oct.	1.77	Apr.	64.9	161	97	172	97	nw.
Newell	Fayette	800	16	52.4	102	Aug. 22	−14	Jan. 23†	16	36.81	5.63	Mar.	0.58	Sept.	45.7	99	......	......	......	sw.
Pittsburgh	Allegheny	1,248	62	51.0	102	July 14	−16	do. 23	65	38.47	5.88	do.	1.01	May	53.3	142	79	124	163	sw.
Ridgway	Elk	1,350	21	......	101	do. 9†	−22	Feb. 20	31	*43.98	*8.14	do.	1.34	Feb.	......	......	......	......	......	......
Sharon	Mercer	940	24	50.6	108	do. 9	−12	Jan. 23	24	31.84	5.69	Aug.	1.34	Jan.	26.7	117	116	99	151	s.
Somerset	Somerset	2,190	69	46.2	99	do. 10	−28	do. 25	54	48.64	8.51	Mar.	1.97	May	72.9	157	78	134	154	sw.
Uniontown	Fayette	1.100	47	53.1	102	do. 10	−14	do. 23	48	47.57	8.29	do.	1.32	June	47.5	151	140	133	93	sw.
Vandergrift	Westmoreland	825	23	......	106	do. 14	−12	do. 23	23	*40.52	*7.82	do.	1.43	Apr.	......	......	......	......	......	......
Warren	Warren	1,180	42	48.0	98	do. 10†	−10	Feb. 20	47	39.89	5.48	Oct.	0.93	Sept.	99.7	153	156	63	147	nw.
Waynesburg	Greene	1,035	6	52.3	101	Aug. 21	−17	Jan. 25	6	41.77	5.99	Mar.	0.98	May	39.5	102	57	187	122	w.
Lake Drainage.																				
Erie	Erie	670	64	49.3	98	July 9	−7	Jan. 23	64	25.61	4.11	Nov.	0.91	July	69.0	152	117	95	154	w.
For the State§	....	......	......	50.4	111	July 9†	−30	Jan. 23	......	42.57	12.01	June	0.28	Sept.	50.1	127	147	93	126	w.

† On other days also. * Monthly amount interpolated; annual amount partly interpolated. § From all available records.

W. B. O. Philadelphia-3-24-36-1170

Monthly and Annual Precipitation for the Year 1936, with Departures from the Normal

	Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
		Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
DELAWARE BASIN.	Allentown	6.48	+2.89	2.80	−0.56	5.97	+2.57	3.04	−0.67	2.87	−0.53	6.10	+2.16	1.14	−3.47	3.96	−0.94	0.87	−2.47	3.84	+0.29	1.47	−1.29	5.31	+1.80	43.86	−0.22
	Ardmore	7.61	+3.82	3.32	+0.16	5.85	+1.87	3.00	−0.79	2.21	−1.67	5.08	+1.28	3.56	−0.91	3.15	−2.46	3.31	−0.75	2.18	−0.85	0.91	−2.53	5.00	+1.76	45.18	−1.09
	Bethlehem	6.07	+2.62	2.58	−0.53	6.36	+3.12	3.49	−0.01	2.58	−0.54	5.67	+1.81	1.17	−3.39	3.28	−1.17	1.03	−2.21	3.11	−0.24	1.40	−1.47	5.56	+2.28	42.30	+0.27
	Coatesville	6.88	+2.92	2.66	−1.11	7.06	+3.04	3.21	−0.55	1.91	−1.68	4.80	+0.60	2.45	−2.11	4.53	−0.20	1.19	−2.21	3.24	−0.12	1.15	−1.79	7.10	+3.11	46.18	−0.10
	Conshohocken	*6.53	+3.00	*2.85	−0.41	4.11	+1.04	2.39	−1.07	1.84	−1.49	4.26	+0.90	*3.01	−1.27	3.47	−1.17	3.03	−0.84	1.94	−1.75	0.70	−2.23	4.90	+2.18	39.03	−3.11
	Doylestown	5.73	+2.09	2.53	−0.95	4.79	+1.07	2.69	−1.33	4.00	+0.43	3.48	−0.47	4.31	−0.56	6.19	+0.94	2.24	−1.36	2.54	−1.27	0.94	−2.02	6.29	+2.45	45.73	−0.98
	Freeland	4.25	+1.01	2.09	−1.42	7.78	+3.41	2.74	−1.84	3.14	−0.70	3.62	−1.34	2.04	−2.87	3.10	−1.30	1.48	−2.37	3.19	−1.10	3.10	−0.03	4.75	+0.85	41.28	−7.72
	George School	7.74	+3.99	2.25	−0.81	4.04	+0.36	2.51	−1.11	3.82	+0.46	3.58	−0.09	1.56	−2.87	8.87	+3.83	3.27	−0.19	3.11	−0.59	0.77	−2.10	6.62	+3.05	48.14	+3.95
	Gouldsboro	6.56	+3.20	1.35	−1.98	8.16	+4.40	4.55	+0.96	2.48	−1.33	5.86	+1.35	1.05	−3.40	4.96	+0.65	0.98	−2.78	3.15	−0.77	2.69	−0.53	2.95	−0.37	44.74	−0.60
	Graterford	5.33	+1.51	3.17	−0.24	6.17	+2.12	2.39	−1.43	1.82	−1.39	3.46	−0.45	2.81	−1.77	5.53	+0.81	1.74	−1.43	2.29	−1.37	1.31	−1.65	5.33	+1.87	41.35	−3.42
	Hamburg	5.54	+2.02	3.11	−0.21	5.82	+1.95	3.87	−0.27	1.51	−2.63	5.05	+0.59	2.90	−2.00	6.60	+1.43	0.86	−3.19	3.34	−0.63	1.18	−1.63	6.24	+2.63	46.02	−1.94
	Hawley	5.05	+2.41	1.94	−0.88	7.52	+4.62	2.50	−0.72	2.98	−0.54	4.38	+0.53	0.86	−1.92	6.15	+1.06	1.89	−1.32	2.67	−0.69	2.09	−0.54	3.38	+0.31	40.11	+2.02
	ollisterville	3.75	......	2.15	.....	8.27	......	3.07	......	2.63	......	5.09	......	0.65	... ..	4.67	.....	1.75	.....	3.46	......	3.27	......	3.71	......	42.47	......
	akeville	4.51	......	1.92	......	8.13	......	2.36	......	2.70	......	5.47	......	0.94	......	4.80	......	1.81	......	2.95	......	2.10	......	3.42	......	41.17	......
	ansford	5.73	+3.01	1.42	−1.32	8.90	+5.57	4.84	+1.44	2.60	−0.85	4.97	+0.50	2.25	−2.14	5.60	+0.95	1.29	−2.44	3.36	−0.54	2.21	−0.38	4.68	+1.25	47.85	+5.65
	ehighton	7.02	.....	4.46	......	6.79	......	3.39	......	1.71	......	3.76	......	2.99	......	6.12	......	1.42	......	3.03	......	2.27	......	5.55	......	48.51	.. ...
	arcus Hook	7.68	......	2.80	......	5.09	......	3.32	......	2.58	......	3.28	......	3.29	......	7.09	......	3.36	......	3.54	......	0.71	......	4.62	......	47.36	....
	atamoras	5.15	+2.43	2.63	+0.06	6.30	+3.20	3.61	+0.21	5.16	+1.79	3.44	−0.56	1.31	−2.41	5.50	+1.76	2.23	−0.96	3.45	+0.21	1.98	−0.83	4.31	+1.40	45.07	+6.30
	auch Chunk	6.07	+2.83	2.50	−1.01	8.34	+4.18	4.76	+0.71	.....	......	.....	......	.. ..	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......
	ount Pocono	4.18	+1.21	1.24	−1.74	8.71	+5.15	4.66	+1.02	4.50	+0.42	5.60	+0.84	1.98	−2.49	4.41	+0.15	2.61	−1.83	3.37	−1.31	2.60	−0.61	6.35	+3.07	50.19	+3.88
	eshaminy Falls	7.24	+3.88	2.83	−0.13	5.29	+1.54	3.04	−0.71	2.60	−1.36	4.72	+0.85	2.07	−2.40	6.59	+0.72	3.72	+0.29	2.92	−1.10	0.74	−2.29	6.53	+3.01	48.29	+2.30
	almerton	6.60	+4.23	3.29	−0.90	7.50	+4.46	4.53	+1.29	2.42	−1.00	4.75	+1.04	1.43	−3.05	7.08	+3.01	2.50	−0.79	2.31	−1.08	1.59	−1.00	5.71	+2.80	49.71	+10.92
	aupack	4.54	+1.74	2.01	−0.81	8.81	+6.01	2.92	−0.64	2.95	−0.57	4.41	+0.27	0.92	−2.27	4.92	+0.50	1.65	−2.30	3.13	−0.58	2.69	−0.15	3.73	+0.85	42.68	+2.07
	hiladelphia	6.44	+3.14	3.46	+0.03	4.02	+0.63	2.25	−0.80	1.67	−1.59	3.96	+0.72	2.60	−1.55	3.30	−1.32	3.72	+0.58	1.76	−1.05	0.69	−2.01	4.83	+1.40	38.70	−1.82
	hila. Navy Yard	6.91	+3.65	6.00	+2.64	4.81	+1.29	2.87	−0.43	1.66	−1.46	5.40	+1.40	3.07	−1.53	3.37	−1.91	4.28	+1.14	1.30	−1.81	0.82	−2.01	5.57	+2.15	46.06	+3.10
	hila-Point Breeze	6.80	+3.34	3.46	+0.43	4.53	+1.38	2.71	−0.49	1.96	−1.24	4.00	+0.28	2.64	−1.58	3.37	−1.19	4.48	+0.53	1.73	−1.00	0.66	−2.22	*5.04	+2.52	41.38	+0.76
	hoenixville	6.95	+3.32	2.82	−0.58	6.76	+3.12	3.02	−0.50	1.64	−2.12	3.29	−0.08	1.79	−3.17	6.32	+0.97	1.92	−1.35	2.73	−0.89	1.14	−1.85	7.15	+3.46	45.53	+0.35
	leasant Mount	6.13	+2.13	2.48	−0.50	9.76	+5.63	4.15	+0.09	2.43	−1.57	3.81	−0.57	0.37	−4.99	6.28	+1.52	3.30	−1.09	3.35	−0.81	3.23	−1.21	4.56	+1.67	49.85	+0.30
	ottstown	5.22	+1.93	2.78	−0.33	4.51	+1.11	2.90	−0.21	1.30	−2.06	5.57	+2.19	1.78	−2.74	4.92	+0.60	1.00	−2.00	2.09	−1.28	*1.21	−1.28	4.32	+0.73	37.60	−3.34
	ottsville	5.61	+2.05	2.89	−0.52	8.27	+4.18	4.18	+0.37	2.42	−1.31	3.51	−0.79	2.08	−2.61	4.86	+0.20	1.47	−2.60	2.86	−1.23	2.20	−0.73	5.91	+2.06	46.26	−0.93
	uakertown	5.98	+2.16	3.06	−0.25	6.57	+2.78	3.65	−0.41	1.74	−1.62	12.01	+8.10	1.68	−3.00	3.48	−1.61	0.89	−3.00	2.72	−1.20	1.38	−1.76	5.30	+1.34	48.46	+1.53
	eading	5.29	+1.72	2.79	−0.75	4.77	+1.25	2.41	−0.86	1.35	−2.32	5.76	+2.21	1.73	−2.53	4.87	+0.66	1.02	−2.19	2.18	−0.94	1.17	−1.56	4.38	+0.82	37.72	−4.49
	hawmont	7.04	+3.74	2.43	−0.75	5.15	+1.68	2.71	−0.62	1.86	−1.42	4.41	+1.99	2.83	−1.46	2.50	−2.61	2.16	−1.00	3.00	−0.25	0.65	−2.18	5.84	+2.31	40.58	−1.57
	troudsburg	1.76	−1.62	1.12	−2.23	8.91	+5.40	3.82	+0.25	4.59	+1.26	5.55	+1.23	1.81	−3.50	4.24	+0.04	1.06	−2.42	3.82	+0.08	1.74	−1.45	6.76	+3.40	45.18	+0.44
	est Chester	7.44	+3.62	5.00	+1.50	7.54	+3.71	3.22	−0.52	2.12	−1.76	3.37	−1.18	2.46	−2.18	6.14	+1.14	1.94	−1.58	3.28	−0.34	1.13	−1.95	5.94	+2.14	49.58	+2.60
	estgrove	6.47	......	2.17	......	6.27	......	2.85	......	1.99	......	2.90	......	3.69	......	3.43	......	1.14	......	2.93	......	0.95	......	5.82	......	40.61	......
	ionsville	7.53	......	5.08	......	5.80	......	4.09	......	1.91	......	5.55	......	1.41	.....	3.71	.....	1.27	......	2.97	......	2.58	......	6.89	......	48.79	......
SUSQUEHANNA BASIN.	Altoona	3.83	+0.83	1.20	−1.13	9.50	+6.22	3.26	−0.26	1.48	−2.54	4.49	+0.64	4.01	+0.01	4.71	+1.22	4.20	+1.25	4.45	+1.26	2.54	+0.12	3.64	+0.90	47.31	+8.52
	Ansonia	1.89	−0.20	0.81	−1.15	7.83	+5.41	2.43	−0.91	2.74	−0.90	2.25	−1.59	3.21	−0.31	7.32	+3.82	1.53	−1.36	4.23	+1.05	2.37	+0.08	2.53	+0.30	39.14	+4.24
	Arendtsville	4.64	+1.80	2.66	0.00	4.87	+1.10	3.65	+0.31	1.98	−1.90	4.43	+0.16	3.06	−0.90	5.94	+2.14	0.55	−3.54	5.80	+2.41	1.02	−1.73	6.01	+2.86	44.61	+2.71
	Baker's Summit	4.82	+1.98	3.13	+0.54	10.06	+6.39	2.86	−0.41	1.35	−1.95	5.56	+1.35	4.25	+0.20	6.86	+3.23	2.50	−0.28	4.11	+0.91	2.62	+0.07	3.92	+1.38	52.04	+13.41
	Bedford	4.20	......	2.17	.....	9.57	......	3.01	......	1.56	......	3.83	......	4.59	......	3.92	......	1.45	......	4.53	......	2.44	......	3.92	......	45.19	......
	Bellefonte	3.03	+0.08	1.58	−1.00	7.17	+3.86	2.05	−1.63	1.47	−1.86	5.23	+1.00	2.31	−1.55	5.63	+2.10	2.34	−0.50	4.03	+0.84	2.55	+0.27	2.97	+0.35	40.36	+1.96
	Bloserville	3.70	+0.53	2.83	+0.30	5.97	+2.80	4.45	+0.89	1.25	−3.09	3.24	−2.08	4.32	−0.48	4.46	−1.35	2.04	−1.55	2.77	−0.82	1.50	−1.07	4.90	+2.18	41.43	−3.74
	Buffalo Mills	3.91	+1.51	2.74	+0.51	8.85	+5.51	2.95	−0.49	1.22	−1.90	3.72	+0.12	5.22	+1.80	5.50	+1.13	1.68	−1.44	5.20	+2.27	2.66	+0.07	3.50	+1.38	47.15	+11.47
	Carlisle	5.81	+2.63	3.86	+0.61	6.13	+2.82	3.75	+0.39	1.90	−1.48	3.81	−0.05	2.09	−1.74	1.97	−2.75	1.15	−1.57	3.47	+0.08	1.05	−1.27	6.52	+3.42	41.51	+1.09
	Catawissa	4.75	+1.76	1.47	−1.34	5.63	+2.34	2.88	−0.69	2.86	−0.48	5.20	+1.41	1.46	−2.22	6.98	+2.98	2.13	−1.55	1.94	−1.36	2.39	+0.08	3.51	+0.51	41.20	+1.46
	Center Hall	3.30	+0.81	0.74	−1.60	9.26	+6.23	1.09	−2.06	2.94	−1.44	4.06	−0.23	2.91	−1.26	5.23	+1.30	2.96	+0.12	4.76	+1.76	8.00	+0.86	2.09	+0.30	42.94	+4.79
	Clearfield	4.54	+1.03	0.50	−2.29	9.42	+5.74	4.09	+0.50	1.12	−3.25	6.12	+1.51	2.36	−2.20	7.12	+3.00	2.98	−0.33	4.11	+0.72	2.90	−0.07	3.51	+0.43	48.77	+4.79
	Colebrook	5.78	+2.37	2.80	−0.61	6.47	+2.64	3.92	+0.22	1.37	−2.22	6.91	+2.82	4.00	−0.28	3.91	−1.18	1.84	−1.43	3.38	−0.14	1.14	−1.29	6.15	+2.68	47.67	+3.58
	Emporium	3.09	−0.57	1.29	−1.53	*7.36	+3.63	*2.59	−1.10	2.29	−1.90	3.25	−1.09	2.06	−2.35	5.92	+1.94	1.20	−2.28	4.17	+0.94	3.29	+0.45	3.90	+0.68	40.41	−3.18
	phrata	6.18	+3.11	2.74	−0.21	6.18	+2.85	2.77	−0.43	1.48	−1.56	5.11	+0.85	2.12	−2.26	5.61	+1.35	1.26	−2.11	2.75	−0.35	1.30	−0.96	5.41	+2.29	42.91	+2.57
	orest City	4.02	+1.23	1.53	−0.69	7.40	+4.93	4.65	+1.09	2.07	−1.81	4.32	−0.17	0.51	−4.07	5.60	+1.21	1.65	−1.99	4.47	+0.85	3.18	−0.19	4.39	+1.87	43.79	+2.26
	aleton	2.55	......	1.02	......	11.60	......	2.97	......	2.19	......	2.13	......	2.77	......	8.00	......	1.52	......	4.44	......	3.29	......	3.36	......	45.84	......
	irardville	5.64	+1.65	2.08	−1.54	7.42	+3.15	3.47	−0.54	1.67	−2.12	4.59	−0.15	0.93	−4.18	6.18	+1.36	1.84	−2.30	2.43	−1.91	2.33	−0.75	5.26	+1.26	43.84	−6.07
	ordon	4.82	+1.05	2.39	−0.88	7.82	+3.83	3.54	−0.66	2.74	−1.18	5.66	+1.23	1.18	−3.68	5.87	+1.71	1.28	−2.75	2.61	−1.71	2.42	−0.76	6.19	+2.47	46.52	−1.23
	anover	6.00	+2.85	3.02	+0.21	5.69	+2.38	3.62	+0.29	0.86	−2.51	4.46	+0.45	4.34	+0.15	3.42	−1.10	0.81	−2.23	3.76	+0.82	1.47	−0.79	5.91	+2.86	43.36	+3.38
	arrisburg	5.58	+2.49	3.32	+0.26	6.61	+3.57	3.61	+0.92	1.60	−1.84	4.61	+1.02	5.02	+1.19	2.97	−1.07	2.45	−0.60	2.00	−0.93	1.35	−0.91	6.06	+3.04	45.18	+7.14
	oltwood	5.16	+2.00	2.45	−0.27	5.22	+2.20	2.23	−0.61	2.37	−0.40	2.03	−1.18	2.40	−1.37	2.07	−1.85	1.08	−1.68	2.66	−0.15	0.65	−1.54	5.13	+2.45	33.45	−2.40
	untingdon	4.70	+1.50	2.23	−0.46	8.32	+4.86	2.78	−0.71	2.33	−1.42	4.30	+0.18	3.09	−0.97	5.28	+1.40	3.04	−0.05	4.79	+1.72	2.53	+0.30	3.90	+0.98	47.29	+7.33
	ylertown	2.67	......	1.87	......	9.15		2.28	......	1.64	......	3.60		2.07	......	5.22	......	2.86	......	3.27	......	2.61	......	3.23	......	40.47	......
	ancaster	5.92	+2.73	2.41	−0.26	6.60	+3.28	2.86	−0.40	1.73	−1.22	4.55	+0.49	4.55	+0.27	6.92	+2.84	0.94	−2.43	3.27	+0.18	1.01	−1.57	5.30	+2.11	46.06	+6.22
	awrenceville	1.42	−0.55	0.90	−0.93	6.46	+4.16	1.86	−1.12	2.30	−1.50	2.23	−1.69	1.10	−3.00	7.78	+4.31	1.47	−1.54	4.10	+1.27	2.37	+0.10	1.84	−0.14	33.83	−0.63
	ebanon	5.61	+2.27	3.45	+0.32	6.67	+3.19	3.15	−0.34	1.35	−1.91	5.06	+0.71	3.70	−0.67	3.49	−0.94	3.64	+0.23	2.24	−1.15	1.18	−1.33	6.09	+2.75	45.63	+3.13
	ock Haven	3.39	+0.25	1.53	−1.01	*7.87	+4.50	*2.20	−1.38	2.82	−1.23	3.07	−1.19	3.36	−0.64	5.15	+1.14	1.66	−1.42	5.20	+2.07	2.53	+0.42	3.62	+0.77	42.40	+2.28
	ontrose	*3.44	+0.99	1.76	−0.32	5.79	+3.12	2.89	−0.33	2.35	−1.48	2.96	−1.16	0.51	−3.59	6.00	+1.93	0.93	−2.83	3.77	+0.21	3.15	+0.50	2.57	0.00	36.12	−2.96
	orris Run	2.76	+0.48	1.47	−0.78	9.24	+5.90	2.15	−1.35	3.16	−0.56	4.42	+0.08	3.13	−0.43	7.64	+3.82	1.94	−1.06	3.87	+0.47	2.99	−0.29	2.87	+0.64	45.64	+6.92
	uncy Valley	3.26	+0.12	1.45	−0.95	7.22	+4.19	3.42	−0.44	3.62	−0.43	4.26	−0.10	2.23	−2.45	4.83	+0.20	1.27	−2.29	3.93	+0.32	3.31	+0.54	3.83	+0.80	42.63	−0.49
	ew Park	5.91	+2.83	2.63	+0.16	5.74	+2.05	2.76	−1.08	1.56	−1.33	3.57	−0.17	3.57	+0.01	2.44	−2.82	1.26	−2.51	3.29	+0.11	0.59	−2.41	5.96	+3.26	39.28	−1.90
	ewport	4.78	......	2.98	......	5.78	......	3.13	......	1.36	......	5.93	......	3.12	......	3.32	......	0.85	......	4.19	......	2.13	......	5.05	......	42.62	......
	ine Grove	5.78	+2.63	2.11	−0.58	7.20	+3.69	5.14	+1.34	2.11	−1.35	4.80	−0.07	1.71	−2.86	4.48	+0.46	2.76	−0.71	2.21	−1.54	1.98	−1.54	6.18	+3.31	46.39	+2.78
	enovo	2.98	+0.23	1.60	−0.72	7.20	+4.29	2.31	−1.03	2.64	−1.21	4.62	+0.39	2.81	−1.32	4.39	+0.85	1.41	−1.55	4.72	+1.69	2.62	+0.17	3.14	+0.59	40.44	+2.36
	etreat	4.88	......	1.47	......	5.31	......	3.87	......	1.53	......	4.55	......	1.40	......	4.36	......	1.71	......	3.28	......	2.34	......	3.04	....	37.74	......
	cranton	4.47	+1.44	1.31	−1.84	5.25	+2.05	2.85	+0.08	2.18	−1.09	6.75	+3.08	0.73	−3.30	4.58	+0.89	1.70	−1.47	2.11	−0.92	2.59	−0.18	2.75	−0.27	37.27	−1.53
	elinsgrove	5.09	+2.07	2.33	−0.44	6.70	+3.18	3.89	+0.22	2.22	−1.48	4.06	−0.07	2.37	−1.67	3.64	−0.20	2.14	−1.17	3.20	−0.37	2.67	+0.20	4.82	+1.81	43.13	+2.08
	hippensburg	5.53	......	3.05	......	6.86	......	3.90	......	1.16	......	4.37	......	4.10	......	3.97	......	1.38	......	3.66	......	1.69	.....	5.16	....	44.85	.. ...
	tate College	4.51	+1.43	2.38	−0.09	8.86	+5.52	2.75	−0.85	2.81	−1.08	4.88	+0.76	2.88	−0.98	4.62	+1.14	2.84	−0.06	4.66	+1.64	2.24	−0.07	3.69	+1.02	47.12	+8.38
	unbury	5.69	+2.46	1.82	−1.01	4.52	+1.25	3.07	+0.49	2.93	−0.99	3.84	−0.46	3.19	−1.13	4.00	+0.20	2.34	−0.97	3.25	−0.07	3.09	+0.82	4.49	+1.57	42.23	+1.18
	usquehanna	3.65	......	1.05	......	*7.65	......	2.70	......	2.49	......	3.00	......	0.85	......	6.71	......	1.52	......	3.91	......	2.94	.....	2.22	....	38.69	.....
	owanda	2.64	+0.50	1.04	−0.95	6.99	+4.40	2.01	−1.08	4.20	+0.84	2.86	−0.96	1.27	−2.53	5.17	+1.74	1.59	−1.60	3.81	+0.90	2.90	+0.76	2.06	−0.13	36.54	+1.89
	eikert	4.27	+1.02	1.56	−1.18	8.31	+4.56	3.27	−0.94	1.42	−2.47	3.99	−0.14	2.38	−1.79	3.39	−0.22	2.43	−0.89	*4.11	+0.31	2.47	−0.21	4.64	+1.54	42.24	−0.41
	ellsboro	2.05	−0.22	0.89	−1.13	7.13	+4.47	1.60	−1.46	2.39	−1.01	2.65	−1.08	1.80	−1.40	6.51	+3.33	1.74	−1.21	2.45	−0.58	2.35	+0.12	2.58	+0.44	34.14	+0.28
	ilkes-Barre	3.71	+1.32	1.29	−1.29	4.52	+1.61	2.84	−0.09	1.89	−1.26	4.78	+0.80	0.91	−3.16	2.94	−0.84	1.65	−1.82	2.70	−0.40	2.68	+0.46	3.53	+0.80	33.44	−3.87
	illiamsport	3.60	+0.64	1.70	−0.80	8.95	+5.73	2.28	−1.36	3.09	−0.74	2.77	−1.09	1.86	−1.98	3.65	−0.08	1.20	−1.84	4.08	+0.86	2.54	+0.17	3.07	+0.18	38.79	−0.31
	illiamstown	4.00	+0.94	1.82	−0.85	7.25	+3.98	3.21	−0.27	2.69	−1.12	6.73	+2.22	2.49	−2.93	3.10	−0.81	1.67	−2.42	3.70	−0.01	2.05	−0.78	5.56	+2.69	44.27	+0.64
	ork	5.71	+2.64	2.76	+1.01	5.27	+2.16	3.16	−0.03	1.61	−1.41	4.65	+0.90	7.68	+3.46	3.10	−0.96	0.57	−2.46	2.54	−0.50	1.75	−0.48	5.87	+2.94	44.67	+6.27
	ork Haven	4.45	+1.57	2.44	+0.18	5.10	+2.04	4.38	+0.84	1.06	−2.39	5.29	+0.96	5.77	+1.53	5.90	+2.15	0.28	−3.46	4.49	+1.28	0.97	−1.25	3.87	+1.39	44.00	+4.84
BASIN.	Beaver Dam	2.37	−0.64	2.15	−0.22	.....	......	1.84	−1.30	3.13	−0.21	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......
	Beaver Falls	2.59	−0.30	2.24	−0.04	5.60	+2.31	1.53	−1.48	2.07	−1.14	1.36	−3.11	2.57	−0.96	4.19	+0.59	3.36	+0.50	3.79	+1.30	2.27	−0.10	2.63	−0.01	34.20	−2.44
	Bradford	1.92	−1.70	2.03	−0.59	7.36	+3.81	3.41	−0.39	2.03	−1.87	1.54	−2.53	1.93	−2.51	4.65	+0.97	1.48	−2.51	4.60	+1.29	4.80	+0.81	2.88	−0.29	38.63	−4.71
	Brookville	3.27	+0.04	2.21	+0.08	8.43	+5.18	3.11	+0.21	2.94	−0.48	2.49	−1.85	3.61	−0.55	4.85	+1.01	1.61	−1.52	4.92	+1.65	3.82	+0.93	4.61	+1.59	45.87	+6.29
	Butler	2.14	−1.09	2.89	+0.49	7.83	+4.39	2.93	−0.44	2.69	−0.84	2.35	−2.31	2.19	−2.22	3.55	−0.35	4.28	+0.82	5.86	+2.99	2.95	+0.15	2.67	−0.34	42.33	+1.25
	hambersville	3.00	−0.76	3.05	+0.19	7.53	+3.78	2.54	−1.34	1.13	−2.98	3.94	−0.81	2.51	−2.18	6.63	+2.71	3.46	−0.19	5.44	+1.93	2.75	−0.02	4.13	+0.80	46.11	+1.63
	lairton	3.40	......	1.70	......	7.05	......	2.28	......	0.87	......	1.05	......	2.93	......	3.15	......	4.14	......	3.40	......	2.28	.....	3.34	.....	35.59	.....
	laysville	2.93	−0.32	1.84	−0.63	6.98	+3.65	2.96	−0.43	1.57	−2.02	2.44	−1.86	5.07	+0.82	3.81	+0.04	1.89	−1.85	4.57	+1.32	3.00	+0.50	2.79	−0.17	39.35	−0.55

* Monthly amount interpolated; annual amount partly interpolated.

(Continued on page 64).

Monthly and annual Precipitation for the Year 1936, with Departures from the Normal.—Continued

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Confluence	4.90	+0.92	2.95	+0.02	7.80	+3.95	3.54	-0.15	1.95	-2.04	3.83	-0.85	5.83	+1.25	7.56	+3.19	1.89	-1.21	4.67	+1.62	8.21	+0.50	4.60	+1.05	52.73	+8.2
Connellsville	4.08	......	2.39	......	7.65	......	2.83	......	3.40	......	3.21	......	6.35	......	5.68	......	1.97	......	3.82	......	3.39	......	4.28	......	49.05	......
Corry	2.08	-1.41	2.96	+0.30	10.02	+6.04	5.49	+1.58	2.06	+1.20	4.07	-0.04	2.06	-1.12	3.81	+0.77	1.10	-2.61	3.16	-0.30	4.60	-0.06	3.76	+0.16	45.17	+2.1
Derry	2.53	-0.08	2.30	-0.72	9.11	+5.25	3.29	-0.44	1.82	-1.82	4.76	-0.18	4 30	-0.17	6.80	+2.73	2.93	-0.21	4.38	+1.14	3.18	+0.55	4.07	+0.77	49.47	+5.5
Donora	3.20	+0.77	1.73	-0.55	6.96	+3.21	2.90	-0.46	0.86	-2.60	2.32	-1.08	4.27	+1.08	4.09	+0.18	1.29	-1.34	3.78	+1.11	3.24	+0.67	3.51	+1.06	38.15	+2.0
Ebensburg	3.44	-0.15	2.16	-0.55	7.44	+3.80	2.77	-0.43	3.05	-1.29	4.53	-0.31	4.73	+0.57	9.48	+5.46	4.87	+1.37	3.77	+0.45	2.54	-0.84	4.63	+1.65	53.41	+10.2
Elk Lick	4.10	-0.04	1.72	-1.47	8.65	+4.34	*3.07	-0.92	*1.59	-2.36	*3.71	-1.48	4.50	-0.22	5.79	+1.51	2.48	-0.43	5.18	+1.98	3.70	+0.88	4.65	+1.41	49.13	+3.2
Franklin	1.93	-1.49	2.11	-0.38	5.06	+1.71	3.24	-0.26	2.88	-1.00	2.20	-1.93	3.65	-0.62	5.46	+1.77	1.56	-1.54	4.12	+0.83	4.24	+1.31	2.24	-0.94	38.98	-2.5
Greensboro	3.61	+0.26	2.44	-0.15	7.84	+4.18	3.28	+0.01	1.92	-1.77	2.58	-2.06	6.24	+1.19	4.51	+0.87	1.07	-2.06	3.18	+0.18	3.21	+0.61	3.90	+0.75	43.78	+2.6
Greensburg	4.38	+0.95	2.39	-0.36	7.45	+4.03	3.13	-0.27	2.35	-1.43	3.76	-0.63	3.03	-0.74	6.21	+2.10	3.65	+0.73	4.07	+1.15	3.20	+0.80	3.87	+0.82	47.49	+7.1
Greenville	1.71	-1.92	2.28	-0.29	6.03	+2.66	3.14	-0.32	2.18	-1.53	3.40	-0.51	4.86	+0.54	7.26	+3.79	2.32	-0.97	3.65	+0.13	2.93	0.00	2.20	-0.70	41.96	+0.8
Grove City	1.99	-1.22	2.07	-0.16	3.01	-0.31	1.65	-1.76	2.16	-1.97	1.59	-2.48	2.93	-1.63	3.99	+0.52	1.78	-1.73	3.87	+0.70	2.98	-0.05	2.58	-0.52	30.60	-10.6
Herrs Island Dam	3.18	+0.24	2.10	-0.32	5.29	......	2.00	-1.12	1.39	-1.74	2.85	-1.31	1 97	-1.64	4.30	+1.06	2.99	+0.53	5.50	+2.81	2.71	+0.48	2.92	+0.19	37.20	+1.2
Irwin	3.43	+0.49	2.45	+0.10	8.03	+4.81	3.02	-0.11	1.28	-1.95	3.01	-1.38	3.58	-0.16	5.20	+1.42	4.69	+1.94	4.54	+1.67	3 25	+0.96	4.31	+1.42	46.79	+9.2
Johnstown	4.87	+0.55	2.68	-0.80	7.03	+2.53	3.87	+0.08	1.55	-2.54	3.52	-1.68	3.39	-0.90	9.25	+4.73	4.14	+0.90	3.57	+0.31	1.37	-1.51	4.81	+1.04	50.05	+2.5
Kane (near)	2.24	......	1.99	......	8.62	.....	3.67	......	2.38	....	4.25	......	1.47	......	4.26	......	2.31	......	4.58	......	2.56	.....	2.43	.....	40.76	......
Kregar	4.05	+0.86	2.28	-0.83	8.65	+4.31	3.33	-0.56	1.81	-2.24	2.63	-1.97	3.79	-1.25	9.35	+3.95	2.64	-0.97	3.58	-0.24	2.96	-0.15	5.02	+1.77	50.09	+2.6
Lake Lynn	3.25	......	2.75	......	7.41	......	3.17	......	1.69	......	1.27	......	4.53	.....	5.06	......	1.33	......	3.34	......	2.85	......	3.37	.....	40.02	......
Linesville	1.36	-1.88	2.85	+0.48	4.40	+1.26	2.65	-0.53	2.96	-1.07	1.61	-2.45	3.35	-0.46	5.37	+1.77	2.67	-1.21	1.84	-1.74	2.68	-0.19	1.64	-1.64	33.38	-7.6
Lock No.2 (Neville)	2.60	-0.39	1.84	-0.61	4.42	+1 08	1.76	-1.31	1.38	-1.89	3.36	-1.22	2.54	-1.28	5.63	+2.49	2.51	-0.37	4.48	+1.80	2.83	+0.44	2.31	-0.49	35.66	-1.7
Lock No. 4	3.08	+0.05	2 10	-0.39	6.51	+3.02	2.90	-0.41	0.99	-2.46	2.48	-1.45	5.34	+1.66	4.35	+0.71	1.65	-1.14	3.68	+0.77	3.12	+0.93	3.84	+0.95	40.04	+2.2
Lock No. 5	3.58	-0.05	2.87	+0.17	8.15	+4 41	2.57	-0.90	1.41	-2.47	3.11	-1.50	2.08	-2.04	3.64	-0.18	3.51	+0.45	5.44	+2.29	2.96	+0.29	3.96	+0.65	43.28	+1.1
OHIO BASIN.—Cont.																										
Lycippus	4.04	-0.09	3.40	+0.27	8.43	+4.50	2.75	-1.07	1.02	-2.96	2.87	-2.01	3.75	-0.91	6.35	+1.93	2.74	-0.54	4.50	+1.10	3.12	+0.45	4.32	+0.77	47.29	+1.4
McKeesport	2.79	......	1.59	......	5.88	.....	1.77	......	0.79	......	1.81	......	2.53	......	4.25	......	4.58	......	3.89	......	2.78	......	3.22	......	35.88	......
Meadville	1.89	-1.45	2.15	-0.37	5.35	+1.97	3.02	-0.51	2.26	-1.85	2.66	-1.40	4.77	+0.80	5.57	+2.04	2.57	-1.13	3.27	-0.50	3.22	-0.32	2.46	-0.72	39.19	-3.4
Midland	.....	......	.....	......	...	.....	.....	......	.....	......	1.23	......	2.63	......	4.06	......	2.45	......	4.70	......	3.09	......	2.31	......	.....	......
Mosgrove	2.97	-0.34	2.45	+0.30	7.35	+3.87	2.21	-0.51	1.96	-2.37	3.31	-0.59	3.15	-0.59	3.10	-1.49	2.85	+0.30	4.66	+1.16	3.13	+0.84	4.12	+1.12	41.26	+1.6
Mt. Lebanon	3.19	+0.67	1.84	-0.70	6.76	+3.16	2.22	-0.93	1.48	-2.19	2 90	-1.10	2.62	-0.81	3.12	-1.05	5.33	+2.04	4.83	+1.88	2.78	+0.01	2.58	-0.01	39.60	+0.9
Natrona	3.66	......	2.45	......	8 01	......	2.25		1.74	......	4.23	......	2.14	......	4.91	......	3.15	......	6.13	......	2.97	......	3.42	......	45.06	......
New Castle	2.37	-0.83	2.19	0.00	4.63	+1.59	1.77	-1.65	2.34	-1.23	2.82	-1.47	3.24	-0.42	4.58	+1.10	2.21	-0.80	4.67	+1.87	3.18	+0.83	2.33	-0.37	36.33	-1.3
Newell	4.30	+1.33	1.78	-0.48	5.63	+2.52	3.03	+0.18	1.04	-2.07	2.25	-1.60	3.82	+0.32	3.75	+0.11	0.58	-2.10	4.02	+1.46	2.56	+0.39	4.05	+1.48	36 81	+1.5
Parkers Landing	2.83	-0.84	1.64	-1.17	8.54	+4 79	2.23	-1.35	3.22	-0.45	2.06	-2.06	5.22	+1.19	3.55	-0.38	2.27	-0.92	4.00	+1.03	3.23	+0.26	3.06	-0.43	41.85	-0.3
Pennline	1.40	-1.45	2.74	+0.68	4.32	+1.40	2.30	-0.91	3.58	-0.70	1.87	-2.23	3.06	-0.62	4.99	+0.88	3.53	-0.51	3.11	-0.53	3.46	+0.16	1.88	-0.87	36.24	-4.2
Pittsburgh	3.50	+0.45	2.30	-0.40	5.88	+2.85	2.11	-0.81	1.01	-2.20	1.61	-2.20	3.07	-0.98	3 97	+0.74	4.93	+2.35	4.05	+1.53	2.65	+0.36	3.39	+0.53	38.47	+2.2
Punxsutawney	.....	......	.....	......	.....	.....	.....	......	.....	......	.....	......	2.86	-1.03	5.78	+2.29	2.73	-0.59	4.45	+1.40	3.02	+0.61	4.41	+1.45	.....	......
Ridgway	2.36	-0.79	1.34	-1.03	*8.14	+4 89	*3.36	+0.33	2.77	-0.79	3.54	-0.84	2.87	-0.88	6.47	+3.05	1.47	-1.52	3.97	+0.84	3.66	+0.96	4.03	+0.26	43.98	+4.4
Saltsburg	2.49	-1.03	.....	......	8.72	+5.53	.....	......	.....	......	.....	....	.....	......	.....	......	.....	......	5.48	+2.32	1.07	-1.28	3.18	+0.08	.....	......
Sharon	1 34	-1.38	1.89	-0.11	3.45	+0.69	2.33	-0.71	2.43	-0.76	2.24	-1.44	2.29	-1.68	5.69	+2.12	1.95	-0.75	3.82	+1.00	2.61	+0.38	1.80	-0.58	31.84	-3.2
Smethport	1.49	-1.10	1.07	-1.03	6.25	+2.87	1.45	-1.25	1.76	-2.39	2.91	-0.53	1.93	-2.60	1.47	-2.18	1.67	-1.96	4.12	-0.60	2.32	-0.53	1.96	-0.59	28.40	-11.8
Somerset	4.27	-0.56	2.99	-0.91	8.51	+3.79	3.45	-1.34	1.97	-2.41	2.14	-3.50	4.57	-0.32	6.66	+1.75	3.17	-0.43	3.40	+0.19	2.90	-0.28	4.61	+0.53	48.64	-3.4
Springdale	3.50	+0.09	2.01	-0.61	6.40	+2.66	2.12	-1.18	0.98	-2.62	2.65	-1.87	2.03	-2.09	5.05	+1.04	3.49	+0.55	5.32	+2.36	2.90	+0.31	3.37	+0.23	39.82	-1.1
Uniontown	3.73	+0.03	2.58	- 0.29	8.29	+4.30	3.31	-0.42	2.91	-0.72	1.32	-3.40	5.44	+1.12	5.98	+1.27	1 86	-1.44	3.57	+0.20	4.08	+1.15	4.50	+1.07	47.57	+2.8
Unity Reservoir	4.10	+0.14	2.25	-0.72	7.41	+3.87	2.84	-0.75	1.85	-1.73	4.33	-0.01	2.84	-1 45	6.47	+2.27	3.14	+0.22	4.18	+1.02	3.34	+0.80	4.19	+0.57	46.94	+4.2
Vandergrift	3.07	-0.16	1.82	-0.99	*7.82	+4.30	1.43	-1.42	1.51	-1.75	3.59	-0.65	2.85	-1.52	4.13	+0.23	3.76	+0.64	4.94	+1.95	2.69	+0.15	2.91	-0.07	40.52	+0.7
Warren	1.58	-1.39	1.97	-0.37	5.44	+2.12	3.74	+0.12	2.53	-1.49	4.05	-0.42	1.68	-2.72	5.22	+1.47	0.93	-2.76	5.48	+1.96	5.03	+1.67	2.24	-0.84	39.89	-2.6
Waynesburg	3.04	.....	3.45	......	5.99	......	3.51	......	0.98	......	2 11	......	5.05	......	4.27	......	1.65	......	4.65	......	3.21	......	3.86	.....	41.77	......
Westford	2.78	-0.31	3.65	+1.52	6.10	+3.07	2.60	-0.27	1.77	-1.94	2.41	-1.66	4.92	+0.90	5.85	+2.35	2.54	-1.08	3.49	-0.24	5.53	+2.69	4.51	+1.73	46.15	+6.7
West Newton	2.91	-0.45	1.99	-0.79	5.39	+1.16	2.74	-0.48	1.06	-2.57	1.92	-2.19	3.67	-0.31	3.83	-0.09	1.09	-1.74	3.58	-0.64	2.76	+0.36	3.48	+0.30	34.42	-5.4
POTOMAC BASIN																										
Chambersburg	5.56	+2.42	3.51	+0.85	6.48	+3.21	3.33	+0.09	1.69	-1.70	3.58	-0.64	3.45	-0.55	4.57	+0.75	1.82	-1.15	5.01	+1.94	1.53	-0.72	4.94	+1.98	45.47	+6.4
Gettysburg	5.29	+1.96	2.97	+0.21	5.03	+1.51	3.09	-0.54	1.13	-2.56	3.64	-0.75	6.38	+2.02	3.66	-0.66	1.64	-1.95	5.50	+2.10	0.96	-1.44	5.61	+2.45	44.90	+2.3
Hyndman	3.28	+0.22	2.21	-0.37	10.04	+6.78	2.23	-1.19	0.84	-2.08	5.16	+0.88	*4.77	+1.70	3.64	+0.07	*1.87	-1.00	4.11	+1.33	*2.93	+0.89	5.22	+2.55	46.30	+9.7
LAKE BASIN																										
Erie	1.58	-1.19	2.37	-0.29	3.80	+1.18	2.97	+0.24	1.27	-2.13	1.75	-1.59	0 91	-2.10	1.28	-1.99	1.52	-1.87	2.86	-0.83	4.11	+0.81	1.19	-1.64	25.61	-11.4

* Monthly amount interpolated; annual amount partly interpolated.

KILLING FROSTS OR FREEZING TEMPERTURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown	Apr. 25	Oct. 25	Lancaster	Apr. 27	Oct. 25
Altoona	May. 15	do. 13	Lawrenceville	May 29	Sept. 26
Bedford	do. 29	Sept. 26	Lebanon	Apr. 25	do. 26
Brookville	do. 31	do. 2	Meadville	May 29	Oct. 4
Carlisle	do. 15	do. 26	Midland	....	do. 28
Catawissa	do. 15	Oct. 25	Muncy Valley	May 29	Sept. 26
Center Hall	do. 15	do. 25	New Castle	do. 15	Oct. 4
Chambersburg	Apr. 25	do. 27	Newell	do. 29	do. 27
Chambersville	May 31	do. 4	Philadelphia	Apr. 8	do. 27
Claysville	do. 29	do. 25	Pittsburgh	do. 23	do. 27
Clearfield	do. 21	do. 4	Quakertown	May 15	Sept. 26
Coatesville	Apr. 25	do. 27	Reading	Apr. 8	Oct. 27
Corry	May 30	Sept. 30	Retreat	May. 15	do. 25
Emporium	do. 22	do. 26	Ridgway	do. 31	Sept. 26
Ephrata	do. 15	Oct. 27	Scranton	do. 15	Oct. 25
Erie	Apr. 23	do. 27	Selinsgrove	Apr. 23	Sept. 26
Franklin	May 15	do. 4	Sharon	May 15	Oct. 25
George School	Apr. 25	do. 27	Somerset	do. 31	do. 3
Gettysburg	do. 25	do. 27	State College	do. 15	Sept. 26
Gordon	May 22	Sept. 26	Stroudsburg	do. 21	Oct. 13
Gouldsboro	do. 31	do. 27	Towanda	do. 15	Sept. 26
Greensburg	do. 29	Oct. 25	Uniontown	Apr. 24	Oct. 25
Greenville	do. 15	do. 4	Vandergrift	do. 24	do. 26
Grove City	do. 29	do. 26	Warren	do. 27	do. 4
Hamburg	do. 15	do. 27	Waynesburg	May 29	do. 25
Harrisburg	Apr. 8	do. 28	Wellsboro	do. 29	Sept. 26
Hawley	May 29	Sept. 26	West Chester	Apr. 25	Oct. 27
Huntingdon	do. 29	Oct. 13	Williamsport	May 29	do. 27
Johnstown	do. 15	do. 25	Williamstown	do. 15	do. 27
Kane (near)	do. 31	do. 3	York	do. 15	Sept. 26

MONTHLY STATE DATA FOR 1936

Month	Temperature					Precipitation				
	Mean	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Greatest	Least	Greatest in 24 hrs.	Average snow
January	23.6	31.0	15.2	59	-30	4.21	7.74	1.84	3.41	19.4
February	21.5	29.8	12.6	69	-27	2.33	6.00	0.50	3.10	12.3
March	42.6	50.6	34.7	84	-3	6.84	10.06	3.01	4.50	7.4
April	46.1	53.2	38.0	90	14	3.01	5.49	1.09	2.88	1.3
May	62.8	68.1	54.2	96	24	2.09	5.16	0.79	1.75	0.0
June	68.5	74.0	59.2	100	33	3.80	12.01	1.05	6.92	0.0
July	73.5	79.8	64.7	111	37	2.88	7.68	0.37	3.00	0.0
August	73.2	78.8	63.4	102	37	4.96	9.48	1.28	4.69	0.0
September	66.5	71.5	57.7	96	28	2.17	5.33	0.28	3.25	0.0
October	54.0	60.8	47.8	87	11	3.69	6.13	1.30	3.24	T.
November	38.6	45.8	32.8	78	2	2.40	5.53	0.59	2.20	3.4
December	34.5	42.4	29.2	74	-11	4.19	7.15	1.19	2.50	6.3
Year	50.4	79.8	12.6	111	-30	42.57	12.01	0.28	6.92	50.1

Monthly and Annual Mean Temperatures for the Year 1936, with Departures from the Normal

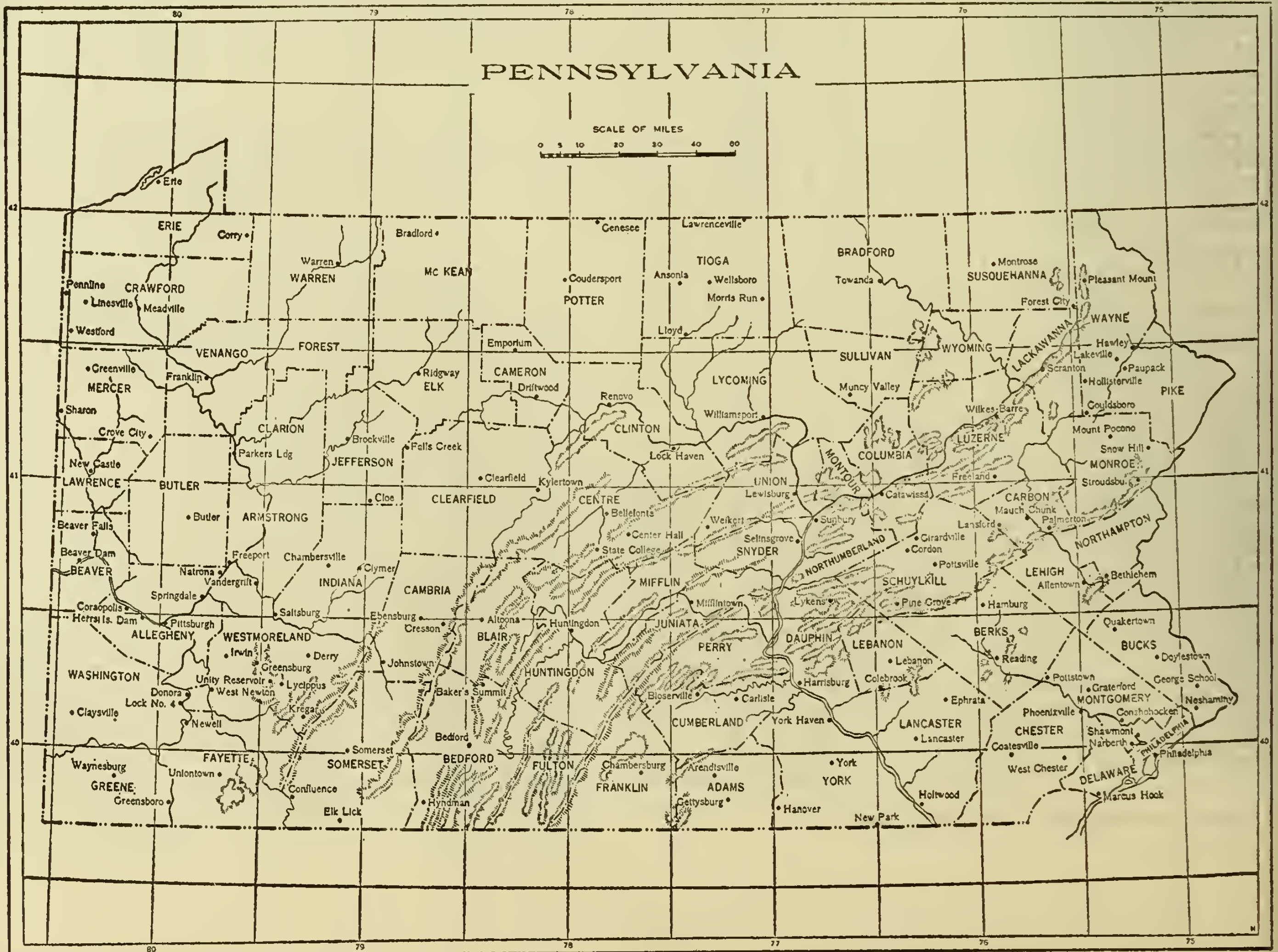
STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic Drainage.																										
lentown	24.6	−4.8	21.6	−7.0	44.0	+5.6	46.9	−1.6	63.8	+3.7	70.0	+0.4	75.8	+1.8	74.6	+3.2	66.6	+1.2	54.4	+1.4	39.8	−2.6	35.8	+4.1	51.5	+0.5
ltoona	21.8	−6.9	20.2	−7.0	40.5	+2.9	43.7	−4.2	61.4	+2.6	65.8	−0.7	71.6	+0.5	71.2	+2.2	64.2	+0.9	62.8	+0.6	37.9	−2.6	32.0	+2.0	48.6	−0.7
rdmore	27.7	−4.1	24.0	−7.9	46.4	+4.9	47.8	−2.6	64.1	+3.1	69.8	−0.6	75.1	+0.5	74.2	+2 2	67.4	0.0	55.9	+0.6	40.7	−3.7	37.9	+3.7	52.6	−0.3
rendtsville	21.5	−8.6	19.4	−11.8	41.7	+2.1	46.1	−3.1	[b]63.8	+3.8	69.8	−0.7	74.4	+0.1	73.9	+1.9	66.0	−0.2	54.4	+0.1	38.0	−4.6	33.5	+0.4	50.2	−1.7
edford	24.2	......	23.3	......	44.0	......	46.3	......	62.8	......	68.8	......	73.6	......	73.6	......	66.7	......	63.8	......	40.2	......	32.8	......	50.8	......
ethlehem	26.2	−4.6	24.6	−6.3	46.2	+5.6	48.4	−3.0	66.3	+3.9	71.2	+0.7	77.6	+2.6	76.0	+3.0	69.0	+2.0	66.6	+0.8	41.0	−3.4	36.6	+3.1	53.3	+0.8
arlisle	24.6	−3.9	22.4	−7.6	44.6	+6.0	49.3	−2.7	66.2	+4.6	70.8	−0.3	76.8	+1.7	76.2	+3.4	68.6	+3.1	55.9	+3.0	40.6	−0.9	34.4	+2.7	52.5	+0.7
atawissa	24.6	−3.7	21.2	−8.2	44.0	+5.5	47.1	−3.2	63.6	+2.8	69 3	+0.7	74.3	+1.3	74.0	+3.4	66.6	+2.2	54.6	+1.1	38.8	−3.7	36.2	+4.5	51.2	+0.2
enter Hall	22.1	−4.4	19.1	−8.1	41.1	+4.6	44.0	−3.7	62.0	+3.6	66.2	+0.3	73.2	+2.2	70.7	+2.3	66.0	+3.6	52.0	+0.2	38.6	−1.9	32.6	+2.6	49.0	+0.1
hambersburg	25.3	−4.4	24.3	−7.1	45.2	+5.5	49.2	−1.0	65.8	+4.7	71.0	+1.1	76.6	+1.9	75.7	+3.6	68.8	+2.4	56.5	+3.3	41.2	−1.0	34.2	+1.1	52.8	+0.8
earfield	23.4	−3.9	19.6	−8.6	38.8	+1.3	44.8	−2.9	62.2	+3.4	65.4	−1.8	72.6	+1.0	72.0	+2.0	66.0	+1.8	54.4	+1.8	37.4	−3.8	31.4	+1.6	49.0	−0.7
oatesville	25.8	−4.6	23.2	−7.1	45.2	+5.3	48.6	−1.9	64.0	+2.6	70.0	−0.2	74.6	−0.1	73.0	+0.4	66.4	0.0	54.0	+0.2	37.7	−5.2	35.7	+2.8	51.6	−0.7
olebrook	22.4	−6.7	20.2	−9.2	42.6	+3.3	46.4	−2.3	62.2	+2.9	67.3	−0.8	71.4	−1.0	71.2	+1.0	74.0	0.0	53.4	+0.8	37.8	−3.9	33.4	+1.9	50.2	−0.3
nporium	21.8	−4.3	17.6	−8.0	......	......	... ..		60.6	+2.8	67.0	+1.1	70.2	+0.5	71.0	+3.6	64.0	+2.4	52.4	+2.3	[b]36.8	−2.6	32.6	+3.3	......	......
phrata	25.8	−4.6	23.8	−6.0	46.4	+6.3	49.9	−0.3	66.6	+5.2	71.8	+2.6	77.4	+2.7	76.1	+4.1	68.8	+2.6	56.6	+1.9	40.8	−2 4	36.8	+4.3	53.4	+1.4
reeland	19.6	−4.6	18.3	−6.3	39.8	+6.8	41.8	−2.5	60.4	+3.9	65.2	+0.3	71.9	+3.0	70.2	+3.7	63.1	+3.0	[a]50.5	+3.0	34.8	−2.4	31.6	+4.3	47.3	+1.1
eorge School	26.8	−4.6	23.6	−7.3	46.2	+5.5	48.4	−1.8	64.8	+3.9	70.2	+1.0	76.0	+1.9	74.6	+2.8	68.2	+1.8	56.6	+1.3	42.2	−1.5	38.2	+4.9	53.0	+0.7
ettysburg	26.4	−3.5	25.0	−6.1	46.4	+6.2	49.8	−1.0	66.6	+5.1	71.4	+1.3	76.9	+2.2	75.8	+3.7	69.2	+3.3	57.4	+4.1	42.2	−0.1	36.3	+3.8	53.6	+1.6
ordon	22.2	−4.8	19.9	−7.0	42.6	+5.7	45.8	−1.9	61.6	+3.6	66.5	+0.5	71.6	+1.2	71.2	+3.1	64.6	+2.0	62.2	+1.4	37.6	−2.3	33.2	+3.8	49.1	+0.5
ouldsboro	15.2	−7.7	12.6	−9.4	34.7	+4.2	38.0	−2.7	54.2	+1.8	61.2	+0.1	64.7	−0.4	63.4	+0.8	57.7	+0.5	48.6	+3.0	32.8	−3.1	29.4	+4.0	42.7	−0.7
amburg	26.0	−2.9	23.6	−5.6	44.8	+6.3	48.5	−1.0	66.7	+5.7	70.8	+1.7	75.8	+2.3	74.9	+3.5	67.6	+2.1	55.2	+1.6	40.0	−1.8	35.8	+4.0	52.5	+1.3
anover	26.6	−6.2	25.2	−7.6	47.1	+4.7	50.2	−2.2	67.2	+4.1	72.0	+0.7	77.0	+1.2	76.7	+3.3	69.6	+1.7	58.0	+1.7	42.6	−2.3	37.2	+2.6	64.1	+0.1
arrisburg	25.6	−3.4	24.1	−6.1	45.2	+6.3	48.6	−2.3	65.5	+3.7	70.4	+0.1	76.3	+1.5	75.0	+2.4	67.9	+2.1	55.9	+1.1	40.6	−2.2	36.1	+3.4	52.6	+0.5
awley	19.8	−5.7	16.8	−8.5	40.8	+5.6	43.6	−1.9	58.6	+1.5	64.2	−2.0	69.6	−0.8	68.9	+1.2	60.4	−1.2	48.8	−0.6	33.8	−5.5	29.8	+1.2	46.3	−2.2
oltwood	27.6	−4.0	24.6	−7.5	45.2	+3.8	50.0	−1.4	66.3	+3.6	72.2	−0.4	78.0	+0.9	78.3	+3.7	71.2	+1.5	58.4	+1.7	42.4	−2.8	36.0	+1.5	54.2	+0.1
untingdon	23.5	−5.6	21.6	−7.6	[b]42.4	+3.6	46.8	−2.7	63.0	+2.7	[b]67.3	−1.2	[a]72.6	+0.2	73.4	+2.8	[a]66.0	+1.2	64.7	+1.9	40 0	−1.8	32.5	+0.8	50.3	−0.5
yndman	24.4	−6.8	25.3	−6.2	[a]44.9	+4.5	47.8	−2.9	63.6	+2.4	70.0	+1.6	.....	......	74.4	+3.0	.....	......	64.1	+0.7	.....	......	34.4	+1.9	.....	......
ylertown	19.6	......	17.7	......	37.4	......	41.6	. ...	59.4	......	64.6	......	69.8	......	69.4	......	62.7	. ....	50.3	......	34.0	......	30.0	......	46.4	......
ncaster	23.9	−6.2	21.7	−8.9	45.0	+5.4	48.2	−0.9	65.0	+4.2	70.2	+0.2	76.0	+2.0	74.3	+2.2	68.2	+2.6	56.0	+2.5	41.1	−2.1	36.0	+2.9	52.1	+0.3
wrenceville	21.5	−3.9	18.0	−6.5	38.2	+3.4	44.1	−1.8	62.0	+4.8	67.6	+1.6	70.8	+0.4	71.1	+3.0	63.7	+1.8	52.0	+1.3	36.2	−3.0	31.6	+2.8	48.1	+0.4
ebanon	23.6	−5.6	21.8	−7.6	44.7	+5.4	47.8	−2.5	65.2	+4.2	70.6	+0.8	76.0	+2.0	74.8	+2.8	67.4	+1.5	54.8	+1.0	39.0	−3.6	34.4	+2.3	51.7	+0.1
ock Haven	24.0	−4.1	21.6	−6.5	......	......	......	......	64.7	+2.9	69.2	−0.6	73.6	−0.1	73.5	+2.2	67.2	+4.3	54.2	+0.6	39.3	−2.8	33.8	+2.6	......	......
arcus Hook	31.0	−4.3	29.8	−3.5	[a]50.6	+6.1	53.2	−1.2	68.1	+2.9	74.0	−1.0	[a]79 8	+1.1	78.8	+3.3	71.5	+0.2	[a]60.8	+1.2	45.8	−1.8	42.4	+3.6	57.2	+0.6
auch Chunk	23.3	−4.6	21.1	−6.6	42.3	+4.9	46.1	−2.4	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......
ontrose	.....	......	.....	......	41.4	+9.1	44.8	−0.9	.....	......	.....	......	70.6	+2.6	69.7	+3.3	61.8	+1.1	49.4	+0.2	33.4	−1.8	29.6	+3.0	.....	......
ount Pocono	16.8	−6.7	18.6	−2.7	38.2	+6.0	42.7	+0.5	57.4	+3.6	59.2	−2.4	66.0	+0.3	65.6	+1.7	60.0	+1.5	47.8	−0.5	34.2	−2.0	29.2	+3.5	44.6	+0.2
uncy Valley	19.0	−6.3	16.6	−9.0	39.6	+4.2	43.8	−3.2	58.8	+1.8	[a]64.0	−1.3	69.1	−0.7	69.6	+1.9	63.5	+1.8	50.1	0.0	34.2	−5.2	31.2	+3.1	46.6	−1.1
eshaminy Falls	26.0	−3.3	22.4	−6.8	45.1	+5.7	48.4	−0.8	62.8	+2.9	69.3	+0.3	74.7	+0.9	74.4	+2.9	67.3	+1.6	55.2	+1.1	40.1	−2.7	36.6	+4.6	51.9	+0.6
almerton	23.5	−6.0	20.6	−7.5	42.6	+4.9	46.4	−0.7	61.8	+2.5	67.6	0.0	73.6	+0.2	72.6	+2.4	64.6	+0.3	52.4	+0.5	37.9	−4.5	34.4	+2.9	49.8	−0.4
hiladelphia	29.9	−2.7	27.6	−6.3	48.3	+7.5	50.2	−1.9	65.8	+2.9	71.8	+0.4	77.3	+1.1	76.0	+1.2	69.5	+1.5	58.6	+0.8	43.5	−2.2	39.6	+3.3	54.8	+0.4
hila-Navy Yard	29.2	−3.7	26.6	−6.5	47.8	+5.6	50.3	−1.0	66.4	+4.0	71.9	−0.1	77.9	+1.5	76.8	+2.4	69.8	+1.1	58.3	+0.9	44.0	−2.0	39.5	+3.9	54.9	+0.5
hila-Point Breeze	29.4	−4.6	26.9	−7.1	48.8	+5.4	50.5	−0.9	66.2	+2.4	72.2	0.0	77.0	−0.3	76.6	+1.5	69.9	+0.1	58.6	+0.6	43.6	−4.0	39.6	+3.5	54.9	+0.3
hoenixville	26.6	−4.2	24.2	−7.6	47.9	+6.7	60.4	−1.3	67.5	+5.7	73.0	+1.5	79.0	+3.4	77.5	+3.9	70.2	+3.0	56.9	+1.8	41.2	−2.3	36.8	+3.3	54.3	+1.2
uakertown	24.3	−2.3	21.4	−7.2	43.9	+6.5	47.2	−1.3	62.5	+3.0	68.6	+0.2	73.2	+0.6	72.6	+2.3	64.7	+0.6	53.0	+0.7	38.9	−2.5	35.0	+3.7	50.4	+0.3
eading	27.1	−2.3	25.1	−3.8	46.1	+6.1	48.9	−1.4	65.2	+2.7	70.1	+0.3	76.5	+1.0	75.0	+2.6	67.8	+1.6	56.8	+2.1	41.6	−0.9	38.6	+6.4	53.2	+1.2
etreat	22.4	......	19.4	......	42.8	......	46.8	......	62.0	......	66.6	......	70.8	......	70.6	......	64.9	......	52.0	......	36.7	......	32.4	......	49.0	......
cranton	24.0	−2.6	21.5	−5.8	43.4	+7.7	46.9	−2.2	61.8	+2.4	68.0	+0.2	73.7	+2.0	72.4	+2.6	65.4	+2.5	52.6	+0.8	37.6	−2.9	34.4	+3.7	60.1	+0.7
elinsgrove	23.2	−5.7	21.2	−7.0	43.2	+4.6	47.5	−2.0	63.0	+2.4	69.6	+0.6	73.9	+0.5	74.0	+2.7	67.0	+2.0	54.2	+1.3	38.2	−3.6	34.6	+2.9	50.8	−0.9
hawmont	28.3	−3.6	25.2	−7.7	47.1	+4.2	50.5	−1.5	66.6	+3.6	72.2	−0.1	77.4	+0.9	76.8	+2.9	69.2	+0.7	57.0	+4.4	43.1	−2.1	38.2	+2.9	54.3	+0.4
hippensburg	24.8	......	23.6	......	44.2	......	48.3	......	64.5	......	.....	......	.....	......	75.0	......	68.2	.....	55.4	......	40.3	......	34.6	......	.....	......
tate College	22.0	−4.8	20.6	−6.0	41.1	+4.9	44.3	−3.2	62.2	+3.5	66.6	−0.1	72.5	+1.7	71.8	+3.2	64.8	+1.9	52.0	+0.8	37.8	−2.2	32.6	+2.7	49.0	+0.2
troudsburg	17.0	−9.9	23.9	−2.7	[a]39.2	+2.8	.....	......	58.8	+0.2	68.7	+1.9	74.1	+2.3	72.4	+3.2	64.0	+1.2	51.4	−0.5	36.0	−4.7	34.6	+4.4	.....	......
owanda	22.1	−3.3	19.0	−5.8	40.5	+5.4	44.5	−1.9	60.5	+3.1	66.0	+0.3	71.5	+1.0	70.8	+2.6	63.7	+1.3	51.8	+0.9	37.0	−2.8	32.4	+3.6	48.3	+0.3
ellsboro	19.0	−5.2	16.4	−8.4	36.8	+3.8	44.0	−0.6	59.2	+2.8	65.4	+0.9	68.6	−0.2	68.7	+2.5	61.8	+1.9	49.7	+0.7	34.7	−2.9	29.3	+1.4	46.1	−0.3
est Chester	27.4	−3.2	26.7	−5.4	46.8	+7.7	48.9	−0.9	63.4	+2.7	69.6	0.0	75.6	+1.3	74.7	+2.7	67.8	+2.2	56.8	+2.2	42.0	−1.1	37.9	+4.6	53.0	+1.0
illiamsport	23.2	−4.5	21.0	−6.7	42.1	+4.5	47.3	−1.7	63.6	+3.1	68.6	−0.4	74 0	+0.6	73.0	+2.2	66.3	+1.7	53.9	+1.2	38.8	−2.4	32.8	+2.0	50.4	0.0
illiamstown	23.6	−5.1	22.4	−7.7	43.6	+4.4	45.4	−4.2	64.9	+4.9	68.0	−0.1	74.8	+2.3	72.6	+2.2	66.9	+2.0	54.1	+0.7	39.4	−2.7	35.8	+4.5	51.0	+0.1
ork	25.0	−5.3	22.0	−8.9	46.1	+5.4	49.6	−1.3	65.5	+4.1	70.9	+0.8	75.6	+1.0	75.5	+3.1	68.4	+1.9	56.4	+2.2	41.0	−2.2	36.0	+2.8	52.7	+0.3
Ohio Drainage.																										
eaver Dam	25.5	−5.4	23.2	−8.8	[b]44.6	+4.0	46.4	−3.3	63.4	+3.0	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......
rookville	18.8	−6.0	14.0	−10.7	36.4	+2.7	41.6	−3.3	57.4	+2.0	63.6	0.0	67.7	−0.5	68.8	+2.8	61.2	+0.5	50.4	+1.5	[b]36.3	−1.5	29.4	+1.4	45.5	−0.9
utler	21.0	−8.6	20.2	−6.9	41.6	+3.6	44.6	−3.1	62.2	+3.0	68.8	+1.0	72.5	+0.2	71.8	+2.2	66.8	+2.1	55.0	+2.1	37.2	−0.6	33.8	+2.5	49.6	−0.2
hambersville	23.0	−6.3	.....	......	43.0	+4.2	44.8	−4.5	60.8	+1.0	67.0	−0.8	71.9	+0.3	71.6	+1.8	65.2	+0.3	53.1	+0.6	38.4	−2.8	34.1	+3.0	.....	......
lairton	23.4	......	22.5	......	43.3	.....	47.2	......	62.4	......	69.2	......	74.0	......	74.0	......	67.0	......	53.1	......	37.9	......	37.1	......	50.9	......
laysville	24.2	−6.9	24.7	−6.6	44.2	+3.1	46.3	−4.3	64.0	+3.1	70.8	+1.5	74.4	+1.0	76.0	+4.4	69.7	+1.4	55.6	+1.4	39.0	−3.4	36.8	+4.0	52.1	−0.1
orry	21.6	−3.8	16.2	−9.2	35.9	+3.0	41.5	−3.2	58.6	+3.8	64.6	−0.6	73.2	+4.4	71.0	+4.4	65.4	+4.2	51.3	+2.0	34.0	−4 7	33.0	+4.6	47.2	+0.4
erry	25.5	−5.0	24.3	−5.3	43.4	+3.6	45.6	−3.8	63.6	+3.0	69.6	+0.9	72.8	+0.1	73.7	+3.1	67.8	+2.2	55.6	+1.5	40.2	−1.9	36.8	+4.7	51.6	+0.3
onora	26.1	−8.4	26.4	−7.6	44.6	+2.6	48.7	−2.8	64.9	+2.3	71.8	+0.5	77.0	+0.7	76.9	+3.2	70.5	+1.6	57.2	+1.4	42.0	−3.3	39.8	+3.4	53.8	−0.6
bensburg	21.4	−4.6	20.7	−6.8	41.0	+4.9	43.0	−2.2	60.4	+4.0	67.0	+2.1	71.3	+2.9	71.0	+4.5	64.8	+3.6	51.7	+1.6	[b]38.0	−0.8	31.1	+2.1	48.4	+0.9
lk Lick	18.8	−8.0	18.6	−8.5	38.3	+2.1	.....	......	.....	......	.....	......	68.6	+0.9	68.8	+2.9	62.6	+2.2	50.8	+1.1	36.3	−2.5	31.3	+1.5	.....	......
ranklin	22.2	−4.3	18.0	−7.5	38.0	+2.4	43.2	−2.8	61.2	+3.6	67.9	+1.7	72 6	+1.8	72.4	+4.0	65.1	+2.1	51.2	−0.1	34 7	−4.9	31.2	+1.7	48.1	−0.2
reensburg	24.9	−6.3	23.8	−7.5	44.2	+4.1	47.4	−2.9	63.8	+3.5	70.2	+1.7	74.2	+1.6	74.8	+4.1	68.7	+3.1	55.2	+1.0	39.6	−3 4	36.8	+3.8	52.0	−0.3
reenville	22.1	−5.5	18.7	−8.1	38.0	+1.5	41.4	−5.1	.....	......	.....	......	72.8	+1.5	73.1	+4.2	67.5	+4.1	53.5	+2.3	.....	......	.....	......	.....	......
rove City	22.2	−5.3	20.3	−7.2	41.2	+3.8	43.7	−3.9	62.0	+3.9	67.4	+1.3	72 4	+1.9	72.4	+3.9	66.2	+2.7	52.8	+0.7	36.5	−4.0	33.6	+3.5	49.2	+0.1
rwin	24.6	−5.9	23.2	−6.7	43.4	+3.5	45.2	−4.1	63.0	+2.9	69.2	+0.6	74.0	+1 7	74.0	+3.5	68.2	+3.4	55.0	+1.1	39.0	−3.2	35.8	+3.3	51.2	0.0
ohnstown	23.0	−7.2	23.0	−7.2	.....	......	.....	......	64.1	+3.0	69.6	+0.2	73.7	+0.4	74.1	+2.9	67.4	+1.6	55.4	+1.6	40.0	−2.0	34.0	+1.5	.....	......
ane (near)	18.2	......	15.9	......	36.2	......	40.4	......	58.4	......	63.4	......	67.8	......	68.6	......	63.2	......	50.0	......	34.1	.....	30.3	......	45.5	......
ycippus	23.8	−6.6	23.2	−6.3	43.2	+3.7	44.8	−4.8	63.2	+2.6	68.3	−0.1	73.2	+0.6	73.9	+3.1	68.0	+1.2	54.8	+0.4	38.8	−3.7	35.9	+3.3	50.9	−0.6
eadville	22.6	−2.9	19.1	−5.0	39.1	+4.1	43.6	−1.9	62.2	+5.4	68.6	+3.0	72 8	+3.2	73.0	+5.6	67.1	+4.8	53.6	+2.7	36.6	−2.5	34.4	+5.2	49.4	+1.8
idland	.....	......	.....	......	.....	......	.....	......	.....	......	68.9	......	74.0	......	74.3	......	68.0	......	54.7	......	39.4	......	36.0	......	.....	......
t. Lebanon	23.2	−7.6	22.7	−7.8	42.2	+3.5	45.2	−3.3	62.7	+2.3	68.8	−0.7	74.8	+1.5	74.8	+4.3	68.2	+2.1	54.1	+0.3	37.8	−4.8	35 6	+3.0	50.8	−0.5
ew Castle	23.0	−5.0	19.0	−9.5	39.2	+2.3	43.4	−5.0	60.2	+0.7	66.1	−2.8	71.3	−1.2	72.5	+2.1	66.6	+2.2	53.0	+0.6	36 8	−3.4	32.8	+1.9	48.7	−1.4
ewell	[a]25.1	−7.6	24.3	−9.2	43.5	+1.7	46.2	−4.8	63.6	+2.3	70.4	+0.4	74.2	+0.2	77.2	+5.2	69.0	+1.4	56.9	+1.6	41.7	−2.7	37.0	+1.6	52.4	−0.8
ittsburgh**	22.6	−8.1	22.9	−9.4	42.2	+2.6	45.4	−5.8	63.6	+1.2	69.4	−1.3	75.0	+0.4	74.6	+1.7	67.8	+1.4	54.4	−1.3	38.2	−5.0	35.8	+1.6	51.0	−1.8
idgway	20.2	−5.1	16.8	−8.3	.....	......	.....	......	58.8	+3.2	65.2	+1.1	68.3	+0.5	69.6	+2.6	62.7	+2.3	49.6	+0.7	33.9	−4.5	30.0	+2.0	.....	......
haron	22.2	−5.7	20.2	−7.8	40.4	+2.8	44.9	−3.3	62.4	+3.3	70.7	+2.0	75.8	+2.9	74.8	+4.5	68.7	+3.8	54.6	+1.6	37.4	−4.0	34.8	+3.9	50.6	+0.4
omerset	19.8	−6.9	19.8	−7.1	40.0	+4.1	41.6	−4.6	67.1	+0.4	63.1	−2.2	67.5	−1.2	68.8	+1.7	62.5	+1.5	49.4	+0.1	34.6	−4.2	30.2	+1.3	46.2	−1.4
niontown	26.2	−6.5	26.5	−6.9	44.6	+3.2	47.3	−3.9	64.4	+2.5	70.8	+0.7	74.6	+1.2	76.0	+4.3	70.1	+5.0	57.0	+2.2	41.8	−2.0	38.0	+3.0	63.1	+0.3
nity Reservoir	24.0	......	24.0	.....	42.2	......	44.8	......	62.2	.....	68.0	......	73.0	......	73.5	......	67.0	......	53.4	.....	37.8	.....	34.2	......	50.3	......
andergrift	24.8	−6.2	23.3	−8.1	. ...	......	46.4	−4.0	62.6	+1.7	69.6	+0.2	74.4	+0 8	74.2	+3.1	67.8	+2.1	55.3	+1.2	39.4	−3.4	35.7	+2.3	.. ..	......
arren	23.2	−2.5	19 0	−5.6	37.4	+2.9	40.8	−3.9	59.5	+3.2	67.4	+2.2	70.4	+0.6	71.6	+4.0	64.2	+1.9	53.2	+2.4	35.9	−3.3	33.4	+4.9	48.0	+0.6
aynesburg	25.6	......	26.4	......	44.0	......	46.2	......	62.9	......	69.7	......	73.4	......	75.8	......	69.6	......	56.1	......	40.6	.....	37.6	.....	52.3	......
Lake Drainage.																										
rie	23.6	−3.2	19.4	−7.5	37.7	+4.2	42.4	−2.7	61.2	+4.4	67.2	+1.0	74.0	+3.0	72.7	+3.1	66.8	+3.2	53.6	+0.2	37.5	−3.8	35.4	+3.5	49.3	+0.5

Letters of alphabet denote number of days missing.

COOPERATIVE AND RAINFALL OBSERVERS

Stations	Observers
Allentown	John A. Frick.
Altoona	John J. Martin.
Ansonia	Paul H. Mulford.
Ardmore	H. L. Balderston.
Arendtsville	Dr. S. W. Frost.
Bakers Summit	M. Snyder.
Beaver Falls	W. Edward Eakin.
Bedford	Charles C. Lee.
Bellefonte	U. S. Airways Radio Sta.
Bethlehem	Lehigh University.
Bloserville	A. G. Mountz.
Bradford	City Water Dept.
Brookville	Frank S. Fawcett.
Buffalo Mills	Nelle R. Brown.
Butler	The Butler Eagle.
Carlisle	Clarence E. Miller.
Catawissa	W. L. Gearhart.
Center Hall	Edward E. Bailey.
Chambersburg	Wm. B. Spear.
Chambersville	John E. Lewis.
Clairton	Carnegie Steel Co.
Claysville	J. L. Melvin.
Clearfield	E. W. Hess, C. E.
Coatesville	Howard L. Pyle.
Colebrook	William A. Rorer.
Confluence	Grant Pyle.
Conshohocken	Russell C. Erb.
Corry	Assd. Gas & Electric Co.
Derry	Ted R. Wineman.
Donora	Donora Zinc Works.
Doylestown	Geo. Hart.
Ebensburg	D. H. Jones.
Elk Lick	J. S. Stevanus.
Emporium	C. E. Koppenheffer.
Ephrata	Ira J. Keath.
Erie	U. S. Weather Bureau.
Forest City	L. L. Whipple.
Franklin	R. L. Walters.
Freeland	Andrew B. Evansha.
Galeton	W. Gale Lush.
George School	N. W. Swayne.
Gettysburg	Dr. Henry Stewart.
Girardville	Girard Water Co.
Gordon	Sallie M. Johnson.
Gouldsboro	Ronald H. Marshall.
Graterford	C. K. Kulp.
Greensburg	Westmoreland Water Co.
Greensboro	George W. Paxton.
Greenville	C. P. Clarke.
Grove City	Prof. H. W. Harmon.
Hamburg	State Sanatorium.
Hanover	Thomas Y. Cooper.
Harrisburg	U. S. Weather Bureau.
Hawley	Mrs. Della M. Pennell.
Herrs Island Dam	U. S. Engineer.
Hollisterville	Penn. P. & L. Co.
Holtwood	H. W. Lowy, C. E.
Huntingdon	Prof. Paul R. Yoder.
Hyndman	Glenn R. Shaffer.
Irwin	W. F. Gallagher.
Johnstown	Robert Tross.
Kane (near].	U. S. Forest Service.
Kregar	I. A. Knupp.
Kylertown	U. S. Weather Bureau.
Lake Lynn	R. McGeuchie.
Lakeville	Penn. P. & L. Co.
Lancaster	Supt. Water Works.
Lansford	Lehigh Coal & Nav. Co.
Lawrenceville	C. P. Darling.
Lebanon	Lebanon Valley Gas Co.
Linesville	John Furman.
Lock Haven	Joseph A. Beaver.
Lock No. 2	R. C. McCullough.
Lock No. 4	U. S. Engineer.
Lock No. 5	U. S. Engineer.
Lycippus	Westmoreland Water Co.
Marcus Hook	Sun Oil Co.
Matamoras	John Bisland.
Mauch Chunk	Vacant
Meadville,	Assd. Gas & Electric Co.
Midland	Perry P. Campbell.
Mifflintown	Andrew McNeillie.
Montrose	Paul F. Chamberlain.
Morris Run	Morris Run Mining Co.
Mt. Lebanon	Roger H. Howell.
Mount Pocono	Paul C. Hoskinson.
Muncy Valley	H. O. Hacker.
Natrona	Bert B. Hildebrand.
Neshaminy Falls	Phila. Sub-Water Co.
New Castle	New Castle Water Co.
Newell.	General Chemical Co.
New Park	C. J. Allen.
Newport	Adam R. Boetill.
Palmerton	New Jersey Zinc Co.
Parkers Landing	Henry Turk.
Paupack	Penn. Power & Light Co.
Penn Line	Retta Crumb.
Philadelphia	U. S. Weather Bureau.
Philadelphia Navy Yard	Commandant, Navy Yard.
Phila- Point Breeze	Atlantic Refining Co.
Phoenixville	Phila. Sub- Water Co.
Pine Grove	East Penn Electric C
Pittsburgh	U. S. Weather Bureau.
Pleasant Mount	F. K. Riedel.
Pottstown	Daily Mercury.
Pottsville	Pottsville Water Co.
Quakertown	John E. Benner.
Reading	U. S. Weather Bureau.
Renovo	J. H. Baird.
Retreat	Theo. J. Sampson.
Ridgway	West Penn. Power Co.
Saltsburg	Thomas M. Duncan.
Scranton	U. S. Weather Bureau.
Selinsgrove	Dr. George E. Fisher.
Sharon	H. H. Gerber.
Shawmont	Winfield S. Guiles.
Shippeusburg	Keith B. Allen.
Somerset	D. L. Grove.
Springdale	U. S. Engineer.
State College	C. A. Kern.
Stroudsburg	State Teachers College
Sunbury	Earl E. Stahl.
Towanda	Mrs. M. Ordelia Park
Uniontown	Wm. W. Marsteller.
Unity Reservoir	Westmoreland Water
Vandergrift	Carnegie-Ill. Steel Cor
Warren	Mrs. Anna Simpson.
Waynesburg	Thomas S. Knox.
Weikert	David Libby.
Wellsboro	George W. Hill.
West Chester	Harlan Saylor.
Westford	C. C. Collins.
Westgrove	Conard-Pyle Co.
West Newton	A. B. Adams.
Wilkes-Barre	Milton Wentz.
Williamsport	Mrs. Ralph F. Keller.
Williamstown	Susquehanna Coal Co
York	C. L. Bott.
York Haven	York Haven Water C
Zionsville	J. H. Weinberger.

WEATHER BUREAU AND COOPERATIVE STATIONS, 1936



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

THE LIBRARY OF THE
UNIVERSITY OF ILLINOIS

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA. PA.

VOL. XLII. JANUARY, 1937. NO. 1.

GENERAL SUMMARY.

January was unusually mild with temperatures almost constantly above the normal throughout the month. The temperature average for the State was fourth highest in a record of fifty years. In two or three warmer Januarys the margin of excess was less than a degree, but January, 1932, which was the warmest of record, and which exceeded the normal by twelve degrees, showed a margin of excess amounting to 3.8 degrees. The lowest temperature recorded in the State was five degrees above zero. Only in two other Januarys, 1913 and 1932, was the monthly minimum above zero. The precipitation, which was mostly rain, was the greatest of record for January. It was heaviest in the Ohio drainage basin, but was well above the normal in all parts of the State. There was an average of sixteen rainy days for the month. The ground was almost free from frost during the period of heaviest rainfall, and seepage was heavy. The soil became thoroughly saturated, reservoirs were filled, and there was excess water enough to bring most streams to bankful stages. In the Ohio drainage most streams rose above their flood stages, and at Pittsburgh the waters rose 9.5 feet above the damage stage. Flood damage in the Ohio drainage, down to include Wheeling, W. Va., exceeded two-and-three-quarter-millions of dollars, while an equal amount of movable property was saved by the flood warnings. These waters were the beginnings of the worst floods ever known in the Ohio River from Wheeling to its mouth. The snowfall averaged a little more than one-third of the January normal, and was very light in the southeastern and southwestern counties. In most regions the ground was snow covered only a small portion of the month, but there was practically no damage to the winter grains by frost. However, a completely saturated top soil, with water standing on the fields in many places, was really less favorable than the frozen ground and snow cover of average winters. On well drained fields the grains came through in good condition, but there was more or less damage on flat and poorly drained lands. There were two or three occasions, during the month, when the paved highways were glazed, and dangerous, but in each instance the condition was a matter of twenty-four hours, or less, duration in most places. The rains delayed outdoor work at times, but temperatures were so favorable for road work, and for most building construction, that better progress was made than is usual with normal winter weather. The sunshine was sadly deficient, being about one-half of the January normal.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 89 stations, was 36.7°, or 8.2° above the January mean for the 50-year period 1888-1937. The highest monthly mean was 44.0°, at Marcus Hook, and the lowest 30.6° at Mount Pocono. The highest temperature recorded during the month was 71° at Uniontown on the 8th, while the lowest was 5° at Corry on the 24th. The greatest daily range in temperature was 41° at Waynesburg on the 24th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations of 142 stations, was 6.36 inches, which is an excess of 3.08 inches as compared with the average for the period 1888-1937. The greatest monthly total was 10.54 inches at Lycippus, and the least was 2.63 inches at Lawrenceville. The greatest amount recorded in any 24 consecutive hours was 2.12 inches at Franklin on the 24th.

Snowfall for the State averaged 4.3 inches, which is 6.1 inches below the average for the period 1888-1937. The greatest monthly amount was 13.5 inches at Mount Pocono, and the greatest 24-hour amount was 6.0 inches at Zionsville on the 20th.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	23.2	61	−19	4.19	14.0	13	5	11	15
1889	29.4	68	−5	3.54	7.8	10	9	13	9
1890	37.5	77	−2	3.04	1.8	14	7	8	16
1891	30.5	64	−4	3.64	9.8	12	6	10	15
1892	26.2	66	−28	4.77	13.5	12	8	8	15
1893	19.0	57	−25	2.85	18.0	12	7	10	14
1894	32.8	65	−9	2.29	7.2	10	9	9	13
1895	24.2	58	−17	4.17	14.2	13	7	10	14
1896	27.6	60	−15	1.43	3.4	6	8	9	14
1897	25.6	74	−25	2.15	11.0	10	8	8	15
1898	30.7	67	−16	4.25	11.0	13	6	8	17
1899	26.6	66	−21	3.05	10.3	10	12	8	11
1900	29.8	63	−8	2.64	5.3	10	8	9	14
1901	29.1	59	−10	2.22	8.6	11	8	8	15
1902	25.6	58	−13	2.80	11.5	9	8	9	14
1903	26.9	68	−13	3.31	11.7	11	6	8	17
1904	20.0	66	−42	3.55	20.4	12	10	6	15
1905	23.8	69	−21	3.70	21.2	12	8	8	15
1906	35.0	85	−4	2.53	4.5	11	10	8	13
1907	30.0	75	−23	4.36	13.2	15	6	7	18
1908	28.4	59	−18	2.68	11.4	9	12	8	11
1909	31.2	72	−19	2.92	12.8	13	9	6	16
1910	27.2	56	−22	5.55	26.0	14	7	5	19
1911	31.6	70	−5	3.54	4.5	13	8	5	18
1912	18.6	57	−35	1.92	13.6	12	8	7	16
1913	36.5	65	3	4.95	4.5	16	9	6	16
1914	30.2	81	−27	3.37	11.7	11	7	7	17
1915	28.3	62	−26	5.56	14.7	13	10	6	15
1916	34.2	76	−12	2.42	1.8	12	9	8	14
1917	27.9	69	−18	3.60	4.2	13	11	8	12
1918	16.2	57	−29	3.51	25.2	12	10	8	13
1919	32.0	64	−15	2.53	6.2	8	14	8	9
1920	20.9	59	−23	2.47	10.0	10	9	8	14
1921	31.0	63	−13	2.58	4.4	10	12	7	12
1922	25.0	62	−19	2.26	16.0	8	14	7	10
1923	29.1	62	−17	4.26	17.6	14	6	6	19
1924	28.1	65	−13	4.34	3.6	8	11	8	12
1925	25.2	55	−29	3.53	29.4	10	11	7	13
1926	27.8	66	−19	2.80	10.5	11	9	9	13
1927	27.4	61	−24	2.90	5.7	13	9	6	16
1928	29.8	65	−23	2.08	6.8	9	12	8	11
1929	27.3	73	−20	3.37	7.6	12	9	9	13
1930	29.2	72	−24	2.25	8.4	12	8	8	15
1931	30.0	65	−12	1.46	4.4	7	12	9	10
1932	40.5	79	9	4.51	1.3	14	7	6	18
1933	37.0	71	−6	2.00	1.9	8	12	7	12
1934	32.2	67	−19	2.54	2.3	11	8	8	15
1935	27.5	72	−23	3.08	13.5	11	11	6	14
1936	23.6	59	−30	4.21	19.4	14	8	7	16
1937	36.7	71	5	6.36	4.3	16	5	7	19
Period	28.5	85	−42	3.28	10.4	11	9	8	14

Climatological Data for January, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	36.2	+6.4	66	14	19	28	37	5.47	+1.88	0.78	4.1	19	7	13	11	ne.	John A. Frick.
Altoona	Blair	1,615	50	34.7	+6.9	66	8	13	27	34	6.44	+3.44	1.04	6.5	17	5	6	20	w.	John J. Martin.
Ardmore	Montgomery	350	17	39.2	+7.0	69	9	22	5†	28	5.96	+2.05	1.18	1.3	20	2	5	24	......	H. L. Balderston.
Arendtsville	Adams	700	15	36.6	+6.1	64	14	18	5	32	5.90	+2.85	0.77	......	18	4	8	19	n.	Dr. S. W. Frost.
Bedford	Bedford	1,060	5	37.6	....	64	15	17	5	32	5.73	....	1.27	5.5	15	7	2	22	sw.	Charles C. Lee.
Bethlehem	Northampton	364	52	38.0	+7.2	66	15	18	28	24	5.37	+1.92	0.83	3.0	19	6	3	22	w.	Lehigh University.
Carlisle	Cumberland	467	71	36.8	+8.2	65	15	17	5	26	5.48	+2.30	0.84	10.0	16	6	4	21	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	41	38.4	+9.8	64	15	20	28	28	4.02	+1.03	1.02	5.0	12	9	7	15	......	W. L. Gearhart.
Center Hall	Center	1,272	41	32.6	+6.1	56	8	17	6	25	4.68	+2.19	0.70	11.0	13	11	5	15	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	37.4	+7.5	65	15	21	5	29	6.12	+2.98	0.88	3.5	15	2	10	19	ne.	William B. Spear.
Clearfield	Clearfield	1,120	30	36.0	+8.4	67	8	13	27	30	5.30	+1.79	0.90	7.0	16	4	7	20	ne.	E. W. Hess.
Coatesville	Chester	380	50	38.2	+7.7	65	9	20	5†	24	6.09	+2.13	0.94	1.2	15	5	0	26	ne.	Howard L. Pyle.
Colebrook	Lebanon	560	26	35.1	+6.7	65	15	17	5	23	5.70	+2.29	0.83	2.5	17	8	4	19	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	35.6	+9.3	67	8	11	27	34	7.02	+3.36	1.22	1.5	15	6	3	22	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	38.6	+8.0	63	15	22	28	21	5.55	+2.48	0.74	1.3	16	3	7	21	ne.	Ira J. Keath
Freeland	Luzerne	1,970	44	32.2	+7.9	62	8	14	17†	24	5.52	+2.28	0.81	5.2	17	3	2	26	w.	Andrew B Evansha
George School	Bucks	190	31	39.8	+8.1	68	9	21	28	25	6.28	+2.53	0.78	3.4	17	4	5	22	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	38.9	+8.8	65	15	21	6	24	5.88	+2.55	1.00	3.0	21	5	3	23	sw.	Dr Henry Stewart
Gordon	Schuylkill	840	33	35.1	+7.9	65	15	14	28	32	6.21	+2.44	0.80	8.0	14	8	5	18	ne.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	31.5	+8.0	60	8	10	28	25	4.97	+1.61	1.20	5.0	11	10	5	16	w.	Ronald H. Marshall.
Hamburg	Berks	535	44	37.2	+8.1	65	15	20	28	22	5.55	+2.03	0.71	1.4	18	7	7	17	sw.	State Sanatorium.
Hanover	York	600	33	40.0	+6.9	67	15	23	27	27	5.86	+2.71	0.90	1.5	18	5	6	20	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	37.7	+8.7	67	15	22	28	27	5.34	+2.25	0.82	3.7	18	2	6	23	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	19	31.6	+5.8	62	8	6	24†	32	4.06	+1.42	0.92	6.6	14	12	5	14	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	39.4	+7.3	62	9	27	27	20	4.48	+1.32	0.70	1.0	18	4	5	22	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	35.4	+6.3	64	15	14	5	33	6.02	+2.82	0.89	9.8	16	1	10	20	se.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	37.2[a]	+5.8	67[a]	8	16[a]	5	37[a]	3.15	+0.09	1.11	2.2	9	8	5	18	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	6	32.4	....	64	8	13	27	28	4.60	....	0.94	2.6	19	1	8	22	sw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	38.5	+8.2	63	14	18	5	26	5.18	+1.99	0.84	3.5	17	6	6	19	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	40	32.4	+6.9	63	8	10	24	27	2.63	+0.66	0.68	5.0	12	9	2	20	......	C. P. Darling.
Lebanon	Lebanon	469	53	35.4	+6.0	67	14	20	5†	39	5.98	+2.64	0.76	2.8	21	8	2	21	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	560	47	35.9	+7.7	54	15	18	27	24	5.24	+2.10	0.75	3.0	17	1	12	18	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	11	44.0	+7.9	68	9	27	26†	30	6.02	....	1.00	0.6	17	7	1	23	ne.	Sun Oil Co.
Mifflintown	Juniata	415	34	37.0	+7.9	66	15	17	5	30	5.38	+2.53	1.00	4.5	13	12	4	15	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	30.6	+6.9	59	15	10	16†	29	3.63	+0.66	1.16	13.5	16	8	1	22	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	32.2[a]	+6.6	58[a]	15	14[a]	24†	28[a]	4.51	+1.37	0.90	5.0	15	9	7	15	ne.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	39.1	+9.3	70	9	17	5	32	6.37	+3.01	0.97	1.5	16	8	0	23	s.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	35.4	+5.4	65	15	16	28	23	5.48	+3.11	0.81	2.6	17	5	8	18	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	41.4	+8.8	67	9	25	17	26	5.71	+2.41	0.97	0.4	16	2	5	24	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	40.0	+8.9	69	9	18	28	29	6.44	+2.81	0.80	2.0	15	8	7	16	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	37.6	+10.8	65	15	18	5†	26	5.81	+1.99	0.77	3.5	15	4	9	18	w	John E. Benner.
Reading	Berks	273	67	38.8	+9.4	68	15	23	28	29	5.05	+1.48	0.78	1.7	16	2	8	21	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	34.7	....	66	15	16	5†	34	4.59	....	0.77	7.0	15	9	4	18	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	35.4	+8.8	66	15	17	24	31	4.18	+1.15	0.93	4.0	19	2	12	17	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	47	35.8	+6.8	65	15	18	28	25	5.41	+2.39	0.57	10.0	18	5	9	17	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	40.5	+8.2	66	9	22	28	25	5.68	+2.38	0.85	2.0	16	2	8	21	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	37.8	....	66	15	20	28	28	6.20	....	0.89	4.0	17	3	5	23	ne.	State Teachers College
State College	Center	1,217	53	34.4	+7.4	64	8	15	27	33	5.51	+2.43	0.77	11.1	15	4	12	15	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	34.8	+7.5	65	15	13	28†	36	6.71	+3.33	0.95	4.7	14	8	4	19	w.	State Normal School.
Towanda	Bradford	754	43	34.2	+8.3	63	8†	9	24	30	3.31	+1.17	0.66	6.8	16	2	12	17	e.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	31.1	+6.8	60	8	10	13	32	3.94	+1.67	0.86	6.0	16	14	3	14	w.	George W. Hill.
West Chester	Chester	455	88	40.0	+9.3	68	9	22	17†	25	6.42	+2.60	0.87	1.3	19	5	5	21	sw.	Harlan Saylor.
Williamsport	Lycoming	521	51	34.2	+6.4	65	15	19	5†	23	4.17	+1.21	0.87	7.5	17	12	3	16	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	36.3	+7.2	63	8†	8	28	31	4.32	+1.27	0.80	4.5	17	6	7	18	se.	Susquehanna Collieries Co.
York	York	400	49	39.2	+8.7	66	15	20	28	29	5.69	+2.62	0.71	1.0	19	7	6	18	nw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	32.9	+7.8	62	8	11	27	37	8.57	+5.34	1.71	5.2	13	0	6	25	......	Frank S. Fawcett.
Butler	Butler	1,077	24	36.6	+6.5	66	8†	14	27	31	7.90	+4.67	1.47	2.2	11	10	4	17	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	36.7	+7.1	66	8†	12	27	31	8.20	+4.44	1.01	3.0	17	8	2	21	w.	John E. Lewis.
Clairton	Allegheny	1,020	5	38.9	....	66	8	18	27	38	7.26	....	0.76	3.0	16	6	4	21	s.	Carnegie Steel Co.
Claysville	Washington	1,150	32	40.3	+8.9	68	8	18	27	40	9.55	+6.30	1.53	4.3	17	9	4	18	w.	J. L. Melvin.
Corry	Erie	1,430	24	35.1	+9.5	62	8	5	24	39	7.69	+3.57	1.59	......	15	3	15	13	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	40	39.8	+9.1	69	8	15	27	34	8.52	+4.64	1.16	2.0	16	3	8	20	se.	Ted R. Wineman.
Donora	Washington	762	11	42.6	+7.4	70	9	24	28	35	7.46	+4.29	1.00	......	14	2	9	20	......	Donora Zinc Works.
Ebensburg	Cambria	2,000	20	34.2	+7.8	64	8	12	27	27	7.20	+3.61	1.06	11.0	15	7	6	18	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	20	35.7	+8.4	67	8	10	3†	40	8.33	+4.19	2.00	2.5	10	8	4	19	w.	J. S. Stevanus.
Franklin	Venango	957	63	33.6	+6.7	66	8	13	24	38	10.32	+6.90	2.12	5.5	15	1	3	27	s.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	40.1	+8.6	68	8	17	23†	35	8.07	+4.64	1.03	1.5	15	3	11	17	w.	Westmoreland Water Co
Greenville	Mercer	950	41	34.4	+6.7	64	8	7	24	34	8.68	+5.05	1.12	9.0	19	6	5	20	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	35.0	+7.3	62	8	14	27	26	7.78	+4.57	1.79	4.5	15	8	5	18	w	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	......	....	68	8	17	27	33	8.17	+5.23	1.10	2.0	17	....	....	....	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	38.1	+7.7	70	8	19	27	34	9.69	+5.37	1.52	3.1	17	4	5	22	sw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	5	31.3	....	61	8	7	27	25	7.63	....	1.34	8.0	19	6	9	16	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	45	39.0	+8.4	68	25	16	27	32	10.54	+6.41	1.21	2.7	17	1	8	22	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	34.2	+8.5	63	8	9	24	32	8.45	+5.11	1.52	5.6	18	6	4	21	w.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	38.4	....	68	8	18	27	28	9.39	....	1.37	3.0	17	3	20	8	se.	Perry P. Campbell
New Castle	Lawrence	808	57	35.0	+6.9	67	9	11	24	31	7.11	+3.91	1.26	4.4	17	5	11	15	nw.	New Castle Water Co
Newell	Fayette	800	17	42.4	+9.2	68	14	23	1	32	8.30	+5.33	1.30	......	12	10	14	7	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	37.7	+7.0	66	8	18	27	36	7.15	+4.10	1.19	2.9	18	1	8	22	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	33.2[a]	+7.5	65[a]	8	11[a]	27	36[b]	8.16	+5.01	1.52	2.0	15	4	6	21	sw.	West Penn. Power Co.
Sharon‡‡	Mercer	940	24	35.6	+7.4	64	8	15	23†	31	7.86	+5.14	1.45	3.8	15	2	6	23	se.	Harry H. Gerber.
Somerset	Somerset	2,190	70	33.8	+7.0	62	14	13	27	28	8.51	+3.68	1.48	4.3	17	3	4	24	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	42.4	+9.5	71	8	21	27	37	8.38	+4.68	1.28	2.0	18	6	8	17	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	38.9	+7.6	69	8	17	27	36	5.47	+2.24	0.90	......	16	16	7	8	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	48	35.0	+9.0	63	9	12	24	28	7.51	+4.54	1.82	2.3	18	5	7	19	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	42.1	....	70	8	18	27	41	8.56	....	1.24	2.0	16	2	12	17	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	34.8	+7.9	64	8	17	24	34	6.05	+3.28	1.32	7.1	18	2	11	18	w.	U. S. Weather Bureau.
For the State	......	......	50	36.7	+8.2	71	8	5	24	41	6.36	+3.08	2.12	4.3	16	5	7	19	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-3-5-37-1050.

Daily Precipitation for January, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh	.70	....	.43	.01	....	....	.23	.24	....	.18	.48	.01	....	.01	.40	.11	....	.59	.08	T.	.78	.12	.38	....	.67	....	....	....	.03	....	.02	5.47
Altoona	Juniata	....	.38	.05	....	....	....	.59	.09	T.	1.04	T.	....	....	.08	.13	....	.17	.70	....	.56	.34	.75	.16	.37	.54	....	....	....	.21	....	.28	6.44
Ausonia‖	W. Br. Susq	....	....	.09	....	....	....	T.	.20	....	.46	T.	....	....	.20	.46	T.	T.	.56	....	....	.64	.71	.15	....	.72	....	....	....	....	....	T.	4.19
Ardmore	Lower Del	....	.46	.31	....	....	.03	.60	....	.03	.55	.02	....	....	*	.60	...	.67	.02	.23	.94	.02	.28	.16	.11	.31	....	....	T.	.02	....	.60	5.96
Arendtsville	Lower Susq	....	....	.58	....	....	....	.45	.11	.03	.28	.36	.01	....	.04	.32	....	....	.72	.02	.29	.71	.77	.11	.34	....	....	....	....	.22	....	.54	5.90
Baker's Summit	Juniata	....	.57	.07	....	....	....	.69	....	....	1.15	....	....	....	.03	.04	....	.31	.35	...	.73	.90	.74	.25	.46	.20	....	....	....	.34	.37	...	7.20
Bedford	Juniata	....	.60	....	....	....	....	.72	....	T.	1.27	....	....	T.	.01	.05	T.	.45	.10	....	.75	.25	.10	.30	.60	.03	....	....	....	.28	....	.32	5.73
Bellefonte	W. Br. Susq	....	.23	T.	T.	....	....	.18	T.	T.	.50	T.	....	T.	.08	.12	T.	.24	.41	....	.38	.14	.78	.03	.49	.15	....	....	.05	.16	....	.20	4.14
Bethlehem	Lehigh	....	.07	.43	....	....	....	.51	T.	.01	.64	.03	.01	....	.03	.51	....	.22	.44	T.	.37	.21	.12	.33	.20	.63	....	....	....	.01	....	.60	5.37
Bloserville‡‡	Lower Susq	....	....	.48	....	....	....	.38	....	.02	.48	T.	T.	.08	.07	.42	....	....	.40	....	*	.85	.30	.31	.40	.31	....	....	.28	....	....	.30	5.08
Buffalo Mills‖	Juniata	....	....	.60	....	....	....	.40	.20	....	.92	.53	....	....	....	....	....	....	.59	....	.23	.87	.25	.30	....	.45	....	....	....	.21	....	....	5.55
Carlisle	Lower Susq	....	.24	.18	....	....	....	.60	....	....	.84	....	T.	....	.04	.21	....	.30	.19	....	.72	.21	.02	.59	.35	.32	....	....	T.	.24	....	.43	5.48
Catawissa	N. Br. Susq	....	.20	....	....	....	....	....	....	....	.26	....	....	....	.26	.22	....	.62	.40	....	.45	.26	...	....	.65	.30	....	....	.15	....	....	.25	4.02
Center Hall	Susquehanna	....	.26	....	....	....	....	.02	....	....	.38	....	....	....	.04	....	....	.43	.48	....	.36	.61	.64	.12	.70	....	....	....	....	.36	....	.28	4.68
Chambersburg	Potomac	....	.43	.02	....	....	....	.51	....	....	.88	....	....	....	....	.46	...	.43	.32	....	.83	.09	.15	.57	.39	.18	....	....	....	.32	....	.54	6.12
Clearfield	W. Br. Susq	....	.06	....	....	....	....	.62	.10	.10	.32	T.	...	.05	.40	.42	T.	.25	.60	....	.30	.04	.90	T.	.08	.60	....	....	....	T	....	.46	5.30
Coatesville	Lower Del	....	.14	.41	....	....	....	.53	....	....	.68	....	....	....	....	.68	....	.69	.11	...	.94	.05	.21	.30	.21	.46	....	....	....	.04	....	.64	6.09
Colebrook	Lower Susq	....	.15	.17	....	....	....	.66	.02	T.	.74	T.	.01	T.	T.	.57	....	.49	.26	T	*	.83	.14	.46	.05	.41	...	....	T.	.10	....	.64	5.70
Conshohocken	Schuylkill	....	.09	.58	....	....	....	.60	T.	T.	.49	.04	T.	....	T.	.88	....	.22	.35	.21	.89	.17	.11	.23	.09	.22	....	....	T.	.02	....	.71	5.90
Doylestown	Lower Del	....	[illegible]	.22	....	....	....	.68	....	....	.70	....	.04	....	T.	.79	....	.28	.35	T.	.74	.09	.13	.44	.01	.62	....	....	....	....	....	.74	6.25
Emporium	W. Br. Susq	....	.15	.04	....	....	....	.21	.20	.05	.48	....	....	....	.66	.45	....	....	.81	....	T.	1.22	.90	.15	.52	.81	....	....	....	....	....	.37	7.02
Ephrata	Lower Susq	....	.10	.40	....	....	....	.59	....	....	.74	T.	.02	....	T.	.33	....	.42	.22	T.	.75	.13	.09	.50	.22	.31	....	....	....	.09	...	.64	5.55
Forest City	N. Br. Susq	....	....	....	....	....	....	.32	.14	.02	.16	.30	....	....	.06	.41	.02	....	.86	....	....	.51	.60	.28	.03	.78	....	....	....	....	.08	T.	4.57
Freeland‖	Lehigh	.35	....	.27	T.	....	....	.20	.10	...	.10	.33	T.	T.	.09	.80	.10	T.	.60	.02	....	.64	.66	.37	....	.81	T.	T.	....	.03	T.	.05	5.52
Galeton	N. Br. Susq	....	.15	....	....	....	....	.06	.25	.11	.36	....	....	T.	.81	.21	....	.22	.40	....	.24	.61	.82	.15	.48	.31	....	....	....	....	....	.20	5.38
George School	Lower Del	.05	.15	.44	....	T.	....	.70	T.	T.	.50	.15	T.	....	.01	.60	....	.33	.32	.03	.60	.37	.13	.43	.04	.65	....	....	...	...	....	.78	6.28
Gettysburg	Potomac	....	.49	.10	....	....	....	.57	.02	.01	.54	.01	....	T.	.02	.34	....	.54	.35	.04	1.00	.16	.03	.73	.05	.17	....	....	.02	.19	....	.50	5.88
Girardville‖	Lower Susq	....	.27	....	....	....	.24	.30	....	.16	.38	....	....	T.	.41	.36	....	.68	.04	....	.46	.63	.37	....	.82	....	...	...	.10	....	.18	.36	5.76
Gordon	Lower Susq	....	.02	.27	....	....	....	.52	....	....	.66	....	....	.02	.01	.80	....	...	.73	....	....	.53	.68	.40	....	.89	....	....	....	.11	....	.66	6.21
Gouldsboro‡‡	Lehigh	....	.35	....	....	....	.55	....	....	.40	.10	....	....	....	....	.76	....	.56	....	....	.30	.50	.20	....	1.20	....	....	....	....	.05	...	T	4.97
Graterford	Schuylkill	....	.06	.83	....	....	....	.19	....	....	.62	.16	T.	....	....	.44	....	.62	.21	.04	....	.19	T.	.21	.09	.24	....	....	....	....	....	.73	4.63
Hamburg	Schuylkill	....	.11	.25	....	....	....	.56	....	....	.55	.02	.04	....	.04	.61	....	.47	.24	....	.63	.08	.15	.41	.32	.36	....	....	....	.01	....	.70	5.55
Hanover	Lower Susq	....	.33	.13	....	....	....	.61	....	....	.61	.04	....	T	.01	.29	....	.49	.44	.04	.90	.19	.04	.55	.10	.21	....	...	T	.25	....	.63	5.86
Harrisburg***	Lower Susq	....	.21	.27	....	....	.01	.56	....	....	.82	.01	....	T.	T.	.42	....	.27	.07	....	.72	.08	.37	.35	.32	.25	....	....	.08	.06	....	.47	5.34
Hawley‖	Upper Del	.14	....	.30	....	....	....	.17	.08	....	.27	.17	....	....	....	.25	.03	....	.40	.03	....	.57	.41	.25	....	.92	....	....	....	.07	....	T.	4.06
Hollisterville	Upper Del	.18	....	.26	....	....	....	.18	.15	....	.25	.24	....	....	T.	.54	.02	....	.59	T.	....	.62	.59	.42	....	1.03	....	T.	....	.14	....	T.	5.21
Holtwood‡‡	Lower Susq	.28	....	.39	....	....	....	.43	.03	....	.07	.25	.03	....	T.	.48	.12	....	.70	T.	.28	.58	.02	.25	.05	.42	....	....	....	.05	....	.05	4.48
Huntingdon	Juniata	....	.44	....	T	....	....	.61	.02	T	.89	....	....	.02	T.	.08	T.	.44	.35	...	.49	.26	.72	.28	.56	.18	....	....	....	.38	....	.30	6.02
Hyndman	Potomac	....	....	....	....	....	....	.09	....	....	....	.03	....	....	....	....	....	.24	....	....	1.11	.37	.56	.39	.30	.06	....	....	....	....	....	....	3.15
Kylertown***	W. B. Susq	....	.27	.01	T.	....	T.	.13	....	.04	.39	.01	....	.08	.17	.13	T	.29	.28	....	.51	.69	.70	.03	.59	.19	....	....	.04	.05	....	T.	4.60
Lakeville‖	Upper Del	.11	....	.33	....	....	....	.23	.27	T.	.37	.16	....	....	....	.33	....	....	.55	T.	....	.60	.44	.36	....	1.05	...	T.	....	.06	...	....	4.86
Lancaster	Lower Susq	.02	.08	.19	....	....	....	.52	....	....	.84	T.	....	.01	T.	.38	....	.31	.28	T.	.70	.16	.03	.54	.12	.35	....	....	....	.11	....	.54	5.18
Lansford‖	Lehigh	.52	....	.38	....	....	....	.25	.37	....	*	.44	....	....	.01	.58	.10	....	.76	.02	....	.70	.46	.37	....	.74	....	....	....	T.	...	.14	5.84
Lawrenceville	N. Br. Susq	....	.10	....	....	....	....	.05	....	....	.35	....	....	....	.10	.50	T.	T.	.30	....	.20	.10	.68	.05	.10	....	....	....	....	....	....	.10	2.63
Lebanon	Lower Susq	....	...	.45	....	....	.40	.29	.01	.27	.48	.01	....	.04	.52	.05	....	.60	.04	.07	.76	.10	.48	.08	.49	....	....	....	.09	...	.12	.63	5.98
Lehighton‖	Lehigh	.53	....	.59	....	....	....	.54	.25	....	.30	.18	T.	....	.08	.88	....	....	.82	....	....	.81	.33	.49	....	1.01	....	....	....	....	....	.12	6.93
Lock Haven	W. Br. Susq	....	.13	.03	T.	....	....	.26	....	.03	.52	....	....	....	.20	.22	T.	.10	.62	....	.12	.71	.72	.23	.75	.20	....	....	....	.23	....	.17	5 24
Marcus Hook	Lower Del	....	*	.70	....	....	....	.52	....	.03	.48	....	T.	....	....	.72	*	....	.63	.26	*	.96	.04	.22	*	.35	....	....	....	.11	....	1.00	6.02
Matamoras‖	Upper Del	....	.06	.80	....	....	....	.29	.12	...	.39	.08	....	....	....	.42	.04	.42	.43	.06	.56	.56	.58	.29	....	.82	....	....	....	....	....	T.	5.92
Mifflintown	Juniata	....	.35	.04	T.	....	....	.56	....	....	.82	....	....	....	....	.18	....	.64	....	....	.67	....	1.00	.01	.53	.13	....	....	....	.15	....	.30	5.38
Montrose	N. Br. Susq	....	.11	....	....	....	....	.21	.32	....	.38	....	....	....	.14	.53	....	.09	.52	...	.24	.36	.57	.18	.58	.24	....	....	....	.06	....	.08	4.61
Morris Run	N. Br. Susq	....	.16	....	....	....	....	.18	....	....	.53	....	....	...	.17	.43	T.	.12	.14	....	.20	....	1.00	.16	.46	.04	T.	....	....	....	....	.18	3.77
Mount Pocono	Upper Del	....	.25	.10	....	....	....	T.	....	....	.36	.30	.08	....	.20	.25	.10	1.16	.36	.10	.05	.05	....	.12	.10	.05	....	....	....	....	....	....	3.63
Muncy Valley	W. Br. Susq	....	.14	....	....	....	....	.12	....	T.	.26	....	....	T.	.22	.50	T.	.22	.68	....	.26	.17	.41	.14	.54	.28	....	....	.23	....	.34	....	4.51
Neshaminy‖	Lower Del	....	.25	.37	....	....	....	.74	....	T.	.62	....	T.	....	.03	.65	....	.66	.06	.14	.87	.10	.31	.22	.23	.32	....	....	....	....	....	.80	6.37
New Park	Lower Susq	....	.62	T.	....	....	....	.68	T.	....	....	.45	....	....	....	.72	....	.68	....	....	.96	....	....	.35	.15	....	....	....	....	.50	....	.60	5 71
Newport‖	Juniata	.18	.03	.43	....	....	....	.48	.13	T.	.28	.45	.03	....	.03	.45	.04	....	.67	.05	T.	.67	.50	.40	.03	.57	....	....	....	.26	....	.05	5.73
Palmerton‡	Lehigh	....	.12	.27	....	....	....	.59	....	T.	.42	T.	....	.01	.01	.81	....	.67	.04	....	.21	.20	.46	.08	.61	.30	....	....	....	.01	....	.67	5.48
Paupack‖	Upper Del	....	*	.55	....	....	....	.28	.08	...	.38	.10	....	....	.	.40	....	...	.40	....	....	.65	.45	.25	....	.90	....	....	....	.07	....	.02	4.53
Philadelphia***	Lower Del	...	.15	.46	...	....	T.	.62	T.	T.	.51	....	T.	....	T	.81	....	.56	.01	.24	.95	.02	.23	.10	.11	.23	....	....	T.	.04	....	.67	5.71
Phila. Navy Yard‖	Lower Del	....		.74	T.	....	....	.51	.03	.01	*	.49	....	....	.01	.53	T.	....	.72	T.	1.05	.08	.18	.15	*	.46	....	..	T.	.09	T.	.73	5.78
Phila-P'nt Breeze.‡	Lower Del	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Phoenixville	Schuylkill	T.	.11	.48	....	....	....	.78	....	....	.59	.20	....	....	T.	.65	....	.32	.35	T	.74	T.	.33	.43	.07	.57	....	....	....	.02	....	.80	6.44
Pine Grove	Lower Susq	....	.30	.20	....	....	.12	.50	....	....	.58	....	.03	.03	.08	.49	....	.70	.10	...	.60	.17	.13	.20	.55	.25	....	....	.10	.03	....	.72	5.88
Pleasant Mt.‖	Upper Del	.38	....	....	....	....	....	.51	....	....	.58	....	....	....	.64	....	....	....	.88	....	*	.65	....	....	1.79	..	....	....	....	.22	....	.37	6.02
Pottstown	Schuylkill	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Pottsville	Schuylkill	....	.04	.29	....	....	....	.27	....	T.	.53	T.	....	T.	.01	.67	....	.31	.46	....	.51	.20	.28	.33	.35	.41	....	....	..	.09	...	.70	5 45
Quakertown	Lower Del	....	.11	.43	....	....	....	.65	T.	....	.72	.04	....	T.	....	.65	....	.32	.30	....	.60	.17	.14	.34	.18	.43	....	....	..	....	....	.73	5.81
Reading***	Schuylkill	....	.05	.28	....	....	.03	.57	T.	T.	.78	T.	T.	T.	T.	.37	....	.35	.05	T.	.58	.05	.40	.14	.34	.32	....	....	T.	.13	...	.61	5.05
Renovo‖	W. Br. Susq	....	....	.57	....	....	....	.15	.25	....	.48	....	....	....	.05	.50	....	....	.60	....	....	.70	.92	.23	..	1.12	....	....	...	.02	....	....	5.59
Retreat	N. Br. Susq	....	.66	.11	....	....	....	.30	....	.02	.36	....	....	T.	.02	.53	...	.18	.55	....	.30	.40	.64	....	.12	...	....	....	...	.10	....	.30	4.59
Scranton***	N. Br. Susq	....	.10	.10	T.	....	....	.27	.01	.06	.34	T.	T.	T	.01	.49	T	.22	.20	....	.33	.21	.50	.13	.74	.19	....	....	.04	.09	....	.15	4.18
Selinsgrove	Lower Susq	....	.20	.10	....	....	....	.40	....	.02	.57	.10	.01	....	.02	.20	....	.37	.53	....	.54	.23	.62	.32	.45	....	....	....	....	.30	....	.43	5.41
Shawmont	Schuylkill	....	.13	.40	....	....	....	.61	....	....	.40	.17	....	....	....	.58	....	.30	.35	.20	.77	.20	.05	.28	....	.38	....	....	....	.01	...	.85	5 68
Shippensburg	Lower Susq	T.	.45	.11	....	....	....	.57	T.	T.	.89	.01	T.	....	.04	.30	....	.20	.52	....	.85	.05	.09	.63	.45	.24	....	....	....	.25	...	.55	6.20
State College	W. Br. Susq	....	.32	T.	....	....	....	.13	T.	T.	.69	....	....	T.	.11	.18	T.	.52	.45	....	.49	.17	.77	.14	.68	.21	....	....	T.	.26	....	.39	5.51
Stroudsburg‖	Upper Del	.15	....	.60	....	....	....	.61	....	.04	.12	.22	....	.14	....	.59	....	....	.86	.02	....	.67	....	.95	....	.95	....	....	...	T.	...	.79	6.71
Sunbury‖	Lower Susq	.31	....	.21	....	....	....	.39	.06	T.	.40	.22	....	....	T.	.22	.03	....	.68	.10	T.	.63	.66	.45	T.	.74	....	....	....	.24	....	.40	5.74
Susquehanna‖	N. Br. Susq	.14	....	.06	....	....	....	.07	.27	....	.24	.13	...	....	T.	.53	.07	....	.68	.01	.02	.06	.61	.16	....	.63	....	....	....	.03	....	....	3.71
Towanda	N. Br. Susq	....	.10	....	....	....	....	.24	.07	T.	.45	....	....	T.	.04	.48	T.	.07	.26	....	.19	.21	.66	.09	.31	.07	..	T	T	.03	...	.04	3.31
Weikert	Lower Susq	....	.20	.36	....	....	....	.46	....	....	.63	....	....	....	.05	.24	....	.35	.55	...	.35	.33	.56	....	.45	...	....	....	.14	....	....	.24	4.91
Wellsboro	N. Br. Susq	....	.10	.06	....	....	....	.03	.14	....	.10	....	....	T.	.26	.31	....	.16	.31	.27	....	.38	.83	.03	.10	.45	..	....	....	....	....	.11	3.94
West Chester	Lower Del	....	.18	.39	....	....	....	.59	T.	.03	.56	.11	T.	....	.01	.69	....	.36	.41	.09	.87	.16	.06	.45	.16	.46	....	....	....	.05	....	.79	6.42
Westgrove‖	Lower Del	.45	....	.47	.09	....	....	.47	....	.07	.06	.52	....	....	....	.32	.26	....	.67	....	.21	.71	.07	.35	.08	.47	T	....	....	T	...	.32	5.59
Wilkes-Barre‖	N. Br. Susq	.31	....	.52	....	....	....	.13	.06	....	.31	.25	....	....	.02	.44	.18	....	.68	.05	....	.38	.37	.30	T	.90	T.	....	....	.13	....	T	4.98
Williamsport‖	W. Br. Susq	.02	....	.08	....	....	....	*	.08	....	.38	.01	....	....	.07	.34	.01	....	.87	.01	....	.64	.56	.16	....	.71	....	....	....	.21	....	.02	4.17
Williamstown	Lower Susq	....	.02	.12	....	....	....	.45	....	....	.46	.06	....	....	.01	.44	....	.12	.34	....	.40	.10	.30	.15	.80	.13	....	....	T.	.09	....	.34	4.33
York	Lower Susq	....	.25	.18	....	....	....	.51	.02	....	.71	.07	....	....	.02	.25	....	.41	.42	.02	.79	.25	.03	.53	.18	.33	....	....	....	.14	....	.58	5.69
York Haven‖	Lower Susq	.20	....	....	....	....	....	.22	.12	....	.28	.38	....	....	....	.44	.05	..	.58	.06	.15	.52	....	.12	.08	.30	....	....	....	.08	....	.14	3.72
Zionsville (near)	Schuylkill	.02	.05	.08	....	....	....	.85	.02	....	.97	.04	....	....	.04	1.02	....	.48	.51	.03	.87	.21	.30	.05	.32	.60	.04	....	..	.01	...	.91	8.14
Trenton, N. J***	Lower Del	....	.16	.34	....	....	....	.63	....	....	.52	T.	....	....	T.	.67	....	.55	.03	.09	.83	.04	.30	.21	.17	.27	...	...	T.	T	....	.62	5.43

Continued on page 4.

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver		.19	.15	T.			.15	.14	T.	.53	T.		T.	.01	1.62	T.	T.	.71	T.	T.	1.12	1.13	.42		1.50						.05	7.72
Bradford	Allegheny		.14	T.	T			.40	.34	.15	.16			T.	1.38	.65	T.	.08	.74		T	1.05	.72	.15	.68	.78						.13	7.55
Brookville‖‖	Allegheny		.06	.40				.34	.53		.41				.38	1.20	.01	T.	1.60	.03		1.58		.32		1.71							8.57
Butler	Ohio		.35	T.				.44		.22	.20					1.31	T.	T.	1.01			1.47		.70	*	1.30						.90	7.90
Chambersville	Allegheny		.56	.02				.75	T.	.15	.44	T.		T.	.51	.67	T.	.22	.94		.24	.82	1.01	.36	.59	.54				.02		.36	8 20
Clairton‡	Monongahela		.55					.39		.06	.67			T.	.17	.76		.76	.41		.66	.75	.77	.10	.71	.17			.03			.30	7.26
Claysville	Ohio		.48	.06				.46		.15	.76				.61	1.05	T.	.34	.88		.52	.50	1.53	.45	.59	.65				.07		.45	9.55
Confluence‖‖	Youghiogheny		.34	.70				.70	.20		1.00	.60				.40	.08		1.20	.11	.18	1.05	.60	.47	.10	.96				.20		.05	8.94
Corry	Allegheny							.56	.51	.28					1.59	.60			.60	.01	.19	.71	*	*	1.60	.71	T.				.10	.23	7.69
Derry	Conemaugh		.99					.58		.15	.92	T.			.20	.55		.20	1.16		.55	.60	.79	.37	.40	.65				.06		.35	8.52
Donora‖‖	Monongahela		.70					.62		T.	.72	.07			T.	1.00		.22	.94		.22	.77	.98	.15	.36	.45				T		.26	7.46
Ebensburg	Conemaugh		.45	.08				.46	.27		.45	.71			T.	.32		T.	1.01	T.	.03	1.06	.75	.22		.94				.12		.33	7.20
Elk Lick	Youghiogheny	1.30									2.00					.25					.60	.20	.11	.07	1.80	1.40		.60					8.33
Franklin‖‖	Allegheny		.05	.29	.05			.20	.97	.07	.42				.37	1.38	.03		1.02			1.95	.94	.28		2.12						.18	10.32
Greensboro‖‖	Monongahela	.02	.38	.19				.52	.02		.97	.47			T.	.71	T.		1.06	.23	.13	.51	.97	.70	.01	.96				.15		.11	8.11
Greensburg	Youghiogheny		.70		T.			.71	T.	.12	.75	T.			.30	.59	T.	.27	1.03		.80	.45	.94	.34	.48	.58				.01			8.07
Greenville	Beaver		.13	T.	.02			.70	.50	.32	.22			.02	.76	.86	.04	.12	.70		.10	1.12	.97	.43	.65	.79						.23	8.68
Grove City	Beaver		.17		T.			.55	.12	.16					.17	1.00	T.	.07	.69		.20	.94	.81	.41	.36	1.79						.34	7.78
Herrs Isl. Dam‖‖	Ohio		.29	.32	T.			.46	.14	T.	.40	.07	T.		.08	1.13	T.		.93	.07		1.15	1.25	.53	T.	1.27				.03		.16	8.28
Irwin	Monongahela		.65	.02				.52	.11	.75					.31	.60	T.	.26	1.05	T.	.73	.25	1.10	.39	.48	.55				.05		.35	8.17
Johnstown	Conemaugh		.64		T.			1.30		.30	1.09			T.	.03	.35		.58	.55		1.52	.65	.96	.01	.75	.37			.12	.04		.43	9.69
Kane (near) ‡‡	Allegheny		.32	.11	.03			.51	.38	.15	.06				.84	.74	.02	.12	.84		.04	1.34	.70	.05	.87	.42						.09	7.63
Kregar‖‖	Youghiogheny	.32	.34				.74	.10		.81	.55	T.		T.	.36	T.		1.20	.15	.08	.95	.85	.58		1.02				.09		.10	.33	8.57
Lake Lynn‖‖	Monongahela		.24	.14	.01			.40	.04		1.08	.45			.01	.61	.03		1.40	.20	.16	.35	.58	.67		1.10				.20		.06	7.73
Linesville‖‖	Beaver				.14				.94	.28					1.34	.02			.77			1.04	.05	.17	1.47	.19							6.41
Lock No 2‖‖	Ohio		.26	.32				.29	.17	T.	.43	.02			.01	1.18			.73	.08	T.	1.13	1.15	.45	T.	1.06						.13	7.41
Lock No. 4‖‖	Monongahela		.38	.29				.53	.06		.52	.40			.02	.98			1.03	.15	.08	.89	.98	.38		.82				.05		.12	7.68
Lock No. 5‡‡‖‖	Allegheny		.18	.37				.37	.24		.43	.01	T.		.07	1.16	T.	T.	.93	.09	T.	1.20	1.11	49		1.24				.02		.13	8 04
Lycippus	Conemaugh		1.21	.08				.90		.30	1.08		.02		.25	.60		.35	1.20		1.10	.38	.92	.33	.60	.80						.42	10.54
McKeesport‖‖	Monongahela		.33	.18				.39	.02		.45	.16			T.	.96			.93	.01	.03	.80	1.05	.42	.14	81						.29	6.97
Meadville	Allegheny		.07	.02	T.			.53	.54	26	.15				1.10	.77	.03	.11	.73		.05	1.52	.65	.22	.70	.87						.13	8.45
Midland	Ohio		.42	.06	T.			.35		.38	.21				.55	1.19	T.	.20	.70	.06	.24	1.10	1.37	.67	.84	.69						.36	9.39
Mosgrove‖‖	Allegheny		.05	.52	T.	T.		.25	.51	T.	.43	.02			.11	1.09	.04		1.00	.08	T.	1.46	.62	.53		1.69						.07	8.47
Mount Lebanon	Ohio		.50				.01	.60		.21	.46			.01	.45	.80	T.	.50	.48		.41	.88	1.30	.15	.62	.46			.01		T.	.36	8.21
Natrona‖‖	Allegheny		.25	.32				.40	.19		.43	.02	T.		.05	1.02	.01	.02	.86	.08	T.	1.19	1.02	.46		1.22				.13		.12	7.79
New Castle‖‖	Beaver		.17	.03				.08	.32	.16	.50		T.		.83	1.26	.02		.51	.02	T.	1.23	.85	.43	.02	1.04	T.					.14	7.11
Newell	Monongahela	1.00	.40				.80				.80				.80			1.20	.05	.30	.80	.80			1.30				.05				8.80
Parkers Landing‖‖	Allegheny	T.	T.	.38	T.			.14	.48	.05	.44	T.			.18	1.35	T.	T.	1.05	T.	T.	1.44	1.02	.20		1.80						.08	8.61
Pennline‖‖‡‡	Beaver			.10	.02			.07	.88	.34	.12				1.20	1.04	04		.75	.02		1.07	.42	.19		1.40						.15	7.81
Pittsburgh***	Ohio		.38	T.	T.		.01	.50		.17	.44	T.	T.	.03	.42	.56	T.	.57	.47		.32	.84	.92	.15	.77	.22			.03	T.		.35	7.15
Punxsutawney‖‖	Allegheny		.02	.45				.22	.35	..	.39	.04			.04	1.00			.87	.05		1.13	.92	.35		1.27				T.		.10	7.20
Ridgway	Allegheny		T.	.53	T			.13	.41	.05	.05	.58			.39	1.07	.01	T.	.80	T.		1.20	1.07	.25		1.52						.10	8.16
Saltsburg‖‖	Conemaugh		.25	.34	T			.66	.12		.50	.20			.06	1.04	T.	T.	1.23	.08	.07	1.07	.99	.44	T.	1.16				T.		.12	8.33
Sharon‖‖	Beaver		.08	.09	T.	T.		.13	.74	.14	.38				.53	1.02	.03		.73			1.15	1.01	.25		1.45						.13	7.86
Smethport‖‖	Allegheny			.08	T				.25		T.			.02	.64	1.08	T.		.88	.05	.05	.90	.95	.15	.10	1.90	T.			T.		.25	7.30
Somerset	Youghiogheny		.70					.93		.02	1.48	.01			.02	.31	T.	.33	.84		1.11	.19	.81	.27	.48	.46			T.	.22		.33	8.51
Springdale‖‖‡‡	Allegheny		.25	.37				.56	.18		.43	.05			.06	1.00	T.		.98	.10	T.	1.13	1.15	.47		1.35				.02		.15	8.25
Uniontown	Monongahela		.37	.01				.59		.17	1.28	.04			.15	.61		.27	1.02		.38	.26	1.20	.35	.55	.63			T.	.19		.31	8.38
Unity Reservoir‡‡	Youghiogheny		.55					.77		.12	.82	.04			.26	.56		.53	.79		.76	.43	.92	.30	.47	.60				.05		.33	8.30
Vandergrift‡	Conemaugh		.16					.48		.45	.45			.14	.30	.21		.45	.21		.39	.70	.65		.42	.18			.03			.25	5.47
Warren	Allegheny		.23		.06			.74		.04	.26			.20	1.00	.48	.03	.30	.52		.10	1.08	.30	.24	1.02	.80						11	7.51
Waynesburg	Monongahela		.59					.63		.06	1.04				.42	.74		.32	.86		.70	.26	1.24	.20	.70	.40				.12		.28	8.56
Westford‖‖	Beaver		.22	T.			.04	.80	.28	.26				.85	1.00	.06		.80	.04		1.10	.40	.42	.35	1.50						.14		8.26
West Newton‖‖	Youghiogheny		.27	.23				.51	.04		.44	.23				.83			1.08	.08	.07	.71	.80	.37		.80				.03		.07	6.56
Lake Drainage.																																	
Erie***	Lake Erie		.09	.03	.01			.57	.09	.21	.12			.27	1.29	.33	T.	.18	.21	T	.03	.73	.59	T.	1.14	.02	T.					.14	6.05

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville: of Unity Reservoir, Greensburg: of Girardville, Shenandoah: of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.18	30.78	27	29.53	3	15.3	53	se.	2	78	73	74	20
Harrisburg	30.26	30.84	6	29.62	3	7.0	28	sw.	15	81	76	74	18
Philadelphia	30.27	30.82	6	29 66	3	13.1	36	s.	15	83	81	77	26
Pittsburgh	30.18	30.73	27	29.57	3	11.9	35	n.	21	84	77	76	40
Reading	30.27	30.80	6	29.64	3	10.6	38	sw.	15	80	76	74	28
Scranton	30.26	30.85	6	29.59	3	6.4	26	nw.	15	78	71	70	29

* For any five minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis	Delaware	4.9	8.5	26	3.5	7	18
Easton	Delaware	6.4	11.3	26	4.3	15	22
Lehighton	Lehigh	4.2	5.9	25	3.5	7	7
Wilkes-Barre	Susquehanna	9.6	17.2	26	5.5	8	20
Williamsport	Susquehanna	8.2	16.8	23	4.7	8	20
Harrisburg	Susquehanna	7.8	13.9	24	5.5	9	18
Greensboro	Monongahela	19.6	30.9	23	13.0	31	30
West Newton	Youghiogheny	6.2	13.4	11	2.6	7	20
Lock No. 4	Monongahela	19.8	30.0	25	14.5	7	30
Pittsburgh	Ohio		34.5*	26	15.2*	7	25
Midland	Ohio		44.4*	26	13.2*	7	30

* —Pool stage.

Daily Temperatures for January, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	44	35	44	33	44	38	33	66	61	44	33	35	33	52	62	37	32	49	49	34	48	41	38	31	46	38	32	29	45	39	35	41.3
	Minimum	29	29	33	23	20	20	29	32	41	33	29	29	24	33	43	26	20	33	30	25	28	38	24	26	31	25	13	21	27	27	31	28.1
Bedford	Maximum	48	40	49	37	44	40	38	63	62	50	35	40	38	58	64	43	35	49	51	37	45	45	42	43	49	45	46	33	41	39	39	44.8
	Minimum	25	30	34	25	17	26	31	31	37	35	32	34	25	37	41	29	22	35	34	26	32	37	26	27	43	31	33	23	28	26	33	30.3
Bethlehem	Maximum	52	46	43	43	41	39	35	56	56	55	36	44	48	56	66	50	35	49	47	39	39	44	43	33	50	49	39	33	46	46	39	45.1
	Minimum	36	32	35	28	24	25	28	32	44	34	24	30	30	39	50	33	23	35	39	26	26	37	28	26	32	35	23	18	30	28	31	31.0
Brookville	Maximum	33	41	45	33	42	36	43	62	50	41	33	33	54	56	41	39	38	48	32	39	48	37	32	48	42	32	36	39	47	41	47	41.7
	Minimum	19	19	32	24	19	15	20	35	41	32	25	20	17	26	39	24	15	31	27	26	27	34	20	13	31	24	11	13	24	20	24	24.1
Butler	Maximum	39	47	45	34	45	45	51	66	66	41	38	35	37	61	54	36	40	50	48	52	48	48	38	47	45	40	34	42	45	51	51	45.8
	Minimum	20	29	28	24	29	25	34	48	41	28	24	25	20	37	36	24	21	38	25	27	35	32	19	16	25	22	14	23	32	23	30	27.5
Carlisle	Maximum	51	35	52	43	41	38	37	51	55	54	35	52	40	53	65	48	35	41	43	38	40	49	45	32	54	49	37	35	48	43	38	44.4
	Minimum	25	30	33	28	17	23	30	31	33	34	29	32	26	35	48	33	24	32	36	26	28	35	28	28	31	32	21	19	30	23	29	29.8
Catawissa	Maximum	50	54	49	47	52	40	43	55	58	56	49	52	55	56	64	54	39	42	40	34	40	38	40	38	40	42	39	37	48	46	41	46.4
	Minimum	30	34	28	22	24	22	28	30	34	30	28	33	30	46	46	32	26	36	33	26	33	35	32	28	33	30	22	20	30	22	35	30.3
Chambersburg	Maximum	47	39	51	42	40	37	37	60	63	53	36	47	38	59	65	44	32	44	47	38	40	45	45	35	54	45	36	32	44	45	37	44.4
	Minimum	28	30	33	27	21	24	30	32	34	35	31	34	30	36	44	30	24	32	38	29	29	35	30	29	32	34	22	22	30	26	31	30.4
Chambersville	Maximum	43	38	46	33	44	40	53	66	66	44	39	40	46	62	52	36	41	53	50	38	51	52	44	45	56	42	35	38	46	43	49	46.2
	Minimum	23	27	29	20	24	13	31	47	35	31	26	27	22	44	34	23	19	38	27	22	33	33	20	17	36	22	12	23	30	23	33	27.2
Claysville	Maximum	47	48	57	37	46	46	59	68	63	42	40	35	54	62	55	38	50	52	47	45	61	49	38	63	64	40	37	49	47	58	54	50.0
	Minimum	21	33	30	22	29	24	39	53	40	31	29	29	24	49	36	26	24	45	28	29	43	33	20	23	28	25	18	24	33	26	39	30.6
Clearfield	Maximum	45	56	60	51	30	39	36	67	61	53	44	35	39	52	52	38	34	52	46	36	49	44	45	34	44	44	38	34	52	38	40	45.1
	Minimum	25	29	30	36	28	16	29	39	34	32	26	21	23	33	34	25	16	23	28	32	29	32	23	22	32	24	13	18	27	25	29	26.9
Coatesville	Maximum	48	45	47	40	33	37	41	54	65	56	35	45	43	61	62	47	45	59	50	39	45	43	42	32	47	46	36	35	45	42	43	45.4
	Minimum	33	33	39	26	20	25	28	35	46	33	28	31	27	40	46	27	21	40	35	27	31	40	26	27	31	32	22	20	31	25	33	30.9
Corry	Maximum	44	37	37	38	37	35	50	62	58	45	38	41	44	53	44	40	42	46	34	34	42	37	38	44	47	32	37	40	38	45	40	41.9
	Minimum	25	30	27	30	29	16	32	48	32	28	30	31	32	37	30	29	34	33	20	28	33	31	30	5	28	21	15	22	30	32	30	28.3
Emporium	Maximum	44	38	47	33	44	36	38	67	62	42	32	37	39	58	55	42	38	56	56	41	55	54	47	42	46	37	35	37	47	43	41	44.8
	Minimum	22	27	31	23	22	14	30	33	42	32	24	29	20	34	37	25	13	34	29	25	30	35	22	13	35	26	11	17	30	23	33	26.5
Erie*	Maximum	37	44	47	35	39	40	54	64	64	31	31	33	56	58	42	28	51	51	31	46	49	33	26	50	39	28	32	41	39	49	45	42.4
	Minimum	31	30	22	23	27	20	37	49	30	24	22	28	25	42	28	24	26	31	23	25	33	23	17	17	28	19	19	26	31	32	28	27.1
Franklin‡	Maximum	37	45	40	35	42	39	55	66	43	42	32	33	58	58	39	33	48	49	32	47	47	35	33	46	39	28	36	41	47	46	50	42.6
	Minimum	26	25	33	23	24	18	20	32	42	29	21	21	21	20	38	23	19	32	25	24	28	33	18	13	28	24	14	15	25	24	24	24.6
Freeland	Maximum	44	33	41	33	40	35	40	62	55	45	27	33	38	50	60	40	35	45	44	27	41	41	36	31	42	39	30	27	41	35	35	39.5
	Minimum	28	27	30	21	23	15	25	38	44	27	17	22	22	30	40	20	14	34	26	19	20	31	20	17	31	25	15	14	25	22	27	24.8
Gettysburg	Maximum	51	41	49	46	39	38	37	49	63	58	36	51	43	59	65	49	35	48	48	39	45	54	47	32	55	50	39	35	45	43	38	46.0
	Minimum	33	33	35	27	24	21	31	35	39	36	30	33	31	39	48	35	24	32	36	30	31	39	30	30	32	36	23	23	31	28	31	31.8
Greensburg	Maximum	43	40	51	35	45	45	56	68	63	42	46	37	52	64	60	37	49	53	46	41	56	49	39	60	65	40	39	42	44	51	49	48.6
	Minimum	26	33	31	21	29	24	36	52	41	32	33	33	25	49	36	28	24	46	31	31	40	35	17	25	40	28	17	25	30	27	36	31.6
Grove City	Maximum	40	39	45	33	39	36	53	62	60	86	32	37	43	59	52	40	41	48	38	48	45	43	30	36	48	36	34	40	48	47	48	43.1
	Minimum	27	32	27	20	28	20	32	51	34	27	20	27	24	40	30	21	19	35	23	28	35	29	15	20	34	19	14	22	25	28	29	26.9
Hamburg	Maximum	52	39	44	42	40	37	36	50	58	56	35	45	43	54	65	49	37	46	48	37	37	45	42	34	51	48	36	34	51	43	40	44.3
	Minimum	32	33	38	28	21	24	28	33	42	34	25	30	26	38	46	28	21	35	35	24	27	35	27	26	31	34	21	20	31	24	32	30.0
Harrisburg*	Maximum	46	42	50	37	38	37	38	49	58	50	34	48	42	66	67	40	35	46	46	35	41	47	42	35	53	42	34	37	45	41	39	43.9
	Minimum	36	33	33	29	28	27	30	33	40	33	28	34	31	42	40	28	26	35	35	27	30	37	28	29	35	31	24	22	31	29	34	31.5
Hawley	Maximum	49	34	42	41	40	36	31	62	57	47	30	36	46	52	61	39	30	43	43	30	41	41	34	31	45	41	29	32	44	40	35	40.7
	Minimum	23	24	30	22	13	12	21	30	32	29	16	25	17	36	39	23	9	30	29	18	20	32	23	6	30	27	16	6	25	14	25	22.6
Holtwood*	Maximum	45	43	51	39	40	37	37	48	62	47	37	48	43	61	59	41	41	52	46	36	42	47	42	37	54	42	36	37	45	44	41	44.5
	Minimum	33	37	37	29	28	29	34	37	43	36	35	35	35	41	41	31	30	41	36	32	35	39	30	32	40	35	27	28	35	29	37	34.4
Huntingdon	Maximum	44	38	48	36	47	37	38	61	57	43	35	39	33	56	64	50	35	39	39	35	40	44	41	35	50	44	35	33	49	41	40	42.8
	Minimum	22	28	32	28	14	20	31	31	34	34	41	33	23	33	46	24	17	31	25	29	29	35	28	30	34	31	15	15	29	23	33	28.0
Johnstown	Maximum	42	38	42	35	47	41	40	70	64	45	40	38	46	67	57	36	37	53	47	36	50	44	41	40	50	41	40	35	43	40	49	45.0
	Minimum	29	33	33	26	22	25	32	36	42	36	32	33	26	40	34	28	25	36	32	30	35	38	32	33	37	29	19	25	31	24	34	31.2
Lancaster	Maximum	51	42	45	49	42	41	38	53	59	56	40	47	43	63	62	50	36	51	47	43	36	46	46	33	52	51	41	38	48	47	42	46.4
	Minimum	25	30	40	26	18	20	31	32	38	36	30	32	25	40	49	34	24	35	38	28	31	35	29	30	31	35	21	19	32	23	32	30.6
Lawrenceville	Maximum	45	37	50	35	35	36	40	63	60	45	32	31	39	51	46	37	35	46	45	29	48	44	36	35	45	38	31	35	36	36	40	40.7
	Minimum	20	25	32	23	23	13	26	38	42	27	18	23	12	34	34	21	13	34	27	22	26	30	19	10	33	24	16	12	13	25	31	24.1
Lebanon‡	Maximum	45	44	48	38	40	36	36	50	55	40	35	47	46	67	57	45	36	44	40	35	38	46	34	37	51	41	35	36	49	42	39	43.0
	Minimum	30	32	33	26	20	21	25	32	34	35	28	28	27	28	45	33	23	25	35	28	26	32	30	22	23	33	22	20	20	26	23	27.9
Marcus Hook*	Maximum	53	51	50	42	43	46	53	67	68	41	52	50	60	66	55	41	60	59	48	50	59	52	44	59	57	46	42	47	50	50	49	51.9
	Minimum	36	42	32	33	30	34	42	48	38	31	35	37	42	55	38	28	40	40	32	31	47	30	31	33	41	27	27	34	32	37	39	36.2
Meadville	Maximum	42	39	44	33	41	39	50	63	61	34	31	33	38	57	47	30	40	48	39	36	46	49	30	41	48	35	34	41	42	46	48	42.1
	Minimum	27	29	25	21	30	20	34	49	33	26	18	25	21	37	28	21	20	36	22	23	35	27	18	9	32	22	16	24	30	26	35	26.4
Montrose	Maximum	45	32	45	33	41	34	34	55	54	41	26	32	40	47	59	33	35	43	43	25	40	40	32	33	43	37	26	31	40	39	36	38.5
	Minimum	21	25	31	21	22	12	24	33	40	24	14	20	19	32	32	15	12	34	24	19	21	30	16	11	32	24	13	14	25	23	27	22.9
Mount Pocono	Maximum	37	32	41	35	39	32	42	59	52	44	35	32	39	47	59	30	29	45	41	23	40	40	40	32	41	31	27	26	42	36	32	38.1
	Minimum	22	26	32	20	25	15	22	35	44	26	18	26	18	30	30	10	10	36	20	17	22	33	32	15	21	20	15	11	25	19	24	23.2
Philadelphia*	Maximum	50	44	47	39	41	39	45	52	67	55	37	50	46	63	66	44	51	58	53	38	49	55	47	38	57	45	36	38	48	40	47	47.9
	Minimum	40	36	38	31	31	30	32	40	49	35	32	34	37	41	44	27	25	44	36	30	35	44	31	31	38	34	27	27	35	32	37	34.9
Pittsburgh*	Maximum	39	45	50	34	45	42	58	66	58	36	40	33	55	64	47	33	50	51	36	45	52	42	27	62	52	35	35	40	44	48	49	45.6
	Minimum	30	33	24	22	28	24	36	52	36	28	26	30	27	43	33	24	25	36	24	32	42	25	21	26	32	21	18	25	33	30	33	29.8
Quakertown	Maximum	53	44	45	44	39	36	37	51	63	57	36	45	45	58	65	49	35	51	49	52	39	44	40	32	49	48	46	34	43	40	40	45.6
	Minimum	34	30	39	27	18	22	28	34	45	34	23	29	24	38	48	30	20	34	36	29	27	34	27	27	31	34	20	18	30	24	30	29.8
Reading*	Maximum	47	42	47	40	43	37	39	53	56	51	35	45	44	66	68	39	41	49	47	36	43	47	41	37	51	42	37	37	49	41	41	44.9
	Minimum	37	36	34	29	31	28	31	36	46	35	27	35	31	43	39	25	23	38	35	28	33	38	30	29	37	31	26	23	34	31	35	32.7
Ridgway‡	Maximum	37	45	45	34	42	37	55	65	54	49	33	35	54	57	42	39	45	50	32	40	48	38	34	....	41	32	35	37	43	40	46	42.8ᵃ
	Minimum	20	21	32	20	22	16	19	35	49	30	22	20	18	21	39	28	15	29	27	25	26	34	19	12	..	24	11	13	22	21	25	23.7ᵃ
Scranton*	Maximum	42	40	47	33	41	37	39	61	55	41	31	39	46	64	66	35	45	44	42	29	41	41	33	40	46	38	30	35	44	46	42	42.4
	Minimum	32	31	31	27	28	21	29	38	41	28	24	31	25	41	35	20	16	39	28	23	28	33	18	17	36	25	21	18	29	28	35	28.4
Selinsgrove	Maximum	50	38	50	46	44	36	37	56	54	52	34	40	36	54	65	46	36	39	40	38	39	36	37	34	48	47	35	35	44	44	37	42.8
	Minimum	25	30	37	26	22	22	30	32	38	31	27	29	22	40	44	30	23	32	35	25	27	34	27	25	30	31	20	18	29	22	32	28.9
Somerset	Maximum	40	33	41	31	31	34	51	58	58	41	33	33	47	62	52	35	36	46	46	33	45	43	39	39	52	37	30	29	38	33	43	40.9
	Minimum	22	29	29	20	15	17	29	34	38	33	29	30	19	41	35	24	20	36	28	28	32	37	21	26	26	25	13	21	21	20	31	26.7
State College	Maximum	39	36	44	32	48	39	36	64	60	38	33	38	36	52	59	35	33	47	44	31	46	43	38	33	47	45	30	30	45	41	41	41.4
	Minimum	29	28	31	22	23	18	29	31	46	31	27	31	22	35	35	25	21	31	30	25	29	35	25	23	32	25	15	20	27	21	31	27.5
Stroudsburg‡	Maximum	53	38	47	41	43	40	35	62	54	47	38	45	38	61	65	44	41	47	41	37	40	41	36	39	47	44	37	34	49	44	42	44.2
	Minimum	28	31	33	27	18	20	21	31	34	34	22	22	24	25	35	24	15	21	37	26	22	29	28	18	33	35	20	13	13	23	24	25.4
Towanda	Maximum	42	39	50	34	47	34	40	63	59	44	31	36	40	53	63	36	42	47	43	30	45	41	34	39	50	39	29	35	44	43	41	42.4
	Minimum	21	26	32	26	24	15	30	36	42	27	20	28	14	40	34	17	17	36	27	23	29	33	15	9	36	26	19	15	29	28	33	26.0
Uniontown	Maximum	41	45	56	38	48	44	65	71	61	45	48	40	55	66	67	42	55	55	51	43	50	50	40	66	66	41	42	44	45	53	49	51.0
	Minimum	24	35	34	24	26	27	37	54	45	35	31	33	25	52	41	30	28	48	32	34	42	40	23	29	41	30	21	28	31	29	39	33.8
Vandergrift*	Maximum	40	46	51	37	47	44	57	69	58	39	40	38	53	64	54	35	48	56	38	45	53	43	31	65	57	38	38	43	47	49	53	47.6
	Minimum	27	35	28	26	26	23	38	41	39	30	27	31	24	46	35	25	27	36	30	33	42	28	23	29	36	22	17	22	30	27	33	30.2
Warren	Maximum	55	42	36	40	38	38	48	56	63	40	34	34	40	54	48	38	40	48	40	35	45	45	30	40	40	36	30	34	37	40	40	41.4
	Minimum	42	34	26	28	28	19	30	40	40	28	25	28	26	40	38	24	20	35	26	24	31	30	22	12	36	26	20	25	25	28	30	28.6
Waynesburg	Maximum	47	49	57	37	48	49	65	70	65	44	45	38	54	66	61	46	52	54	50	46	66	49	38	65	65	42	43	46	49	58	51	52.1
	Minimum	23	34	32	22	28	24	28	40	53	42	32	29	32	24	48	38	28	25	47	30	32	45	36	23	24	40	28	18	21	32	28	32.1
Wellsboro	Maximum	38	36	45	30	40	33	39	60	58	42	28	34	37	50	44	34	35	47	30	32	45	36	34	35	45	36	26	32	42	38	38	39.0
	Minimum	19	25	29	21	20	13	25	35	42	25	18	26	10	32	34	18	15	21	28	26	23	17	11	32	26	15	12	25	24	29	[illegible]	23.2
Williamsport	Maximum	46	38	48	36	39	34	37	48	50	46	32	36	36	48	65	43	34	38	36	33	38	38	36	32	48	42	32	33	46	39	38	40.2
	Minimum	23	29	35	26	19	21	30	34	35	31	25	29	29	35	42	28	20	36	25	28	34	26	20	32	30	19	19	25	21	33	[illegible]	28.2
Williamstown	Maximum	54	49	46	47	41	37	38	63	58	60	54	40	37	56	63	44	35	46	48	37	45	44	40	43	48	38	35	33	48	46	37	45.5
	Minimum	29	29	32	22	27	20	25	33	46	30	23	25	25	31	42	26	14	29	32	20	23	37	23	24	34	29	16	8	26	32	28	27.1
York	Maximum	53	41	47	43	42	39	37	52	64	56	37	51	44	62	66	50	35	42	45	48	42	53	48	33	55	51	40	38	44	44	40	47.0
	Minimum	25	30	40	25	21	24	31	33	35	37	31	33	28	41	50	35	24	34	37	30	32	38	29	30	35	36	22	20	32	23	30	31.3

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLII. FEBRUARY, 1937. No. 2

GENERAL SUMMARY.

February was moderately warm and dry with moderate temperature extremes. Temperatures seemed to be generally more steady and uniform in the eastern, than in the western portion of the State. At Philadelphia the greatest plus departure was fifteen degrees on the 21st, and the greatest minus departure was eight degrees on the 26th and 28th respectively. At Pittsburgh the greatest plus departure was twenty-five degrees on the 8th, and the greatest minus departure sixteen degrees on the 25th. The precipitation, as a whole, was about twenty per cent less than the February average, while the snowfall averaged about sixty per cent of the normal. There were no heavy falls of either rain or snow. The snow-cover melted quickly in the southeastern portion of the State, while fields in the western and northern portions were generally snow-covered less than one-half of the time. The heaviest snowfall occurred over a belt extending from Clearfield to Somerset Counties, inclusive, where the total depth ranged from eleven to twenty inches. The winter grains did not seem to suffer from a lack of snow-cover, since frost did not penetrate deeply, and there was little heaving of the soil. Weather conditions were unusually favorable for outdoor work, which proceeded at a moderate rate, and almost without interruption. The chief interference was strong winds that accompanied sharply falling temperatures on four or five dates, and made working conditions somewhat disagreeable. However, there were only two dates, the 21st and 22d, when wind velocities were great enough to cause minor damage. Temperatures did not interfere to any extent with the pouring of concrete, and frost offered little resistance to road grading or to plowing. Lack of frost made dirt roads soft and muddy a large part of the time, but paved highways were in good condition excepting two or three short periods when freezing rains coated the surface with ice. In most regions the icy condition was a matter of only a few hours in each instance. The surface water supply was ample for all needs. Ponds and reservoirs remained well filled from the excessive rains of January, and streams were generally at moderate stages. At the end of the month the winter grains and the orchard fruits seemed to be in fair to good condition.

TEMPERATURE.

The mean temperature for the State, as deduced from the observations taken at 89 stations, was 31.4°, which is 3.2° above the February mean for 50 years of record. The highest monthly mean was 38.6°, at Marcus Hook, and the lowest 25.6° at Gouldsboro and Mount Pocono. Extremes of temperature ranged from a maximum of 77° at Clairton and Donora on the 8th, to a minimum of —12° at Somerset on the 28th. The greatest daily range in temperature was 47° at Clearfield on the 12th and at Franklin on the 8th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports of 144 well-distributed stations, was 2.32 inches, which is 0.53 inch less than the State average for 50 years of record. The greatest monthly amount was 4.92 inches at Zionsville, and the least was 0.76 inch at Vandergrift. The greatest amount for any 24 consecutive hours was 2.61 inches at Girardville on the 21st, and at Williamsport on the 21st-22d.

Snowfall for the State averaged 6.5 inches, which is 4.4 inches less than the 50-year average. The greatest monthly snowfall was 20.0 inches at Ebensburg. The greatest snowfall for 24-hours was 9.0 inches at DuBois on the 21st-22d.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	28.4	63	−31	2.50	7.2	9	7	11	11
1889	23.0	60	−27	1.96	8.7	9	7	9	12
1890	37.0	79	0	4.32	5.6	11	6	8	14
1891	34.8	70	−7	4.61	5.6	12	6	8	14
1892	31.6	62	−18	1.75	6.3	9	7	7	15
1893	27.3	60	−16	5.92	26.4	14	6	8	14
1894	27.6	64	−24	3.53	22.7	11	8	9	11
1895	20.2	60	−26	1.22	13.2	6	10	10	8
1896	29.4	65	−21	4.90	10.5	11	9	7	13
1897	30.6	67	−14	3.28	10 3	9	7	8	13
1898	29.4	72	−16	2.23	6.1	9	8	8	12
1899	22.7	67	−39	4.05	23.6	12	8	7	13
1900	27.1	81	−17	4.22	7.0	11	8	6	14
1901	21.7	57	−22	0.96	7.9	8	10	9	9
1902	23.9	64	−24	3.99	14.3	10	9	7	12
1903	30.5	68	−17	4.49	10.8	10	10	7	11
1904	21.8	68	−27	2.41	6.8	11	10	7	12
1905	20.8	59	−25	1.70	9.7	8	10	8	10
1906	28.0	79	−21	1.70	6.8	7	12	7	9
1907	22.8	56	−20	1.91	15.2	8	12	7	9
1908	24.8	64	−29	4.65	23.6	11	10	7	12
1909	35.8	73	−9	4.84	4.0	14	6	7	15
1910	26.6	65	−22	3.59	15.0	11	9	7	12
1911	31.0	66	−8	2.27	11.1	10	7	6	15
1912	23.7	69	−27	2.20	6.5	8	11	8	10
1913	27.4	67	−9	1.84	5.7	9	12	5	11
1914	21.8	65	−27	2.78	23.5	10	11	6	11
1915	33.3	73	−9	3.90	2.0	9	9	5	14
1916	25.7	67	−22	3.08	14.3	12	8	7	14
1917	25.6	68	−29	1.46	8.0	10	9	9	10
1918	28.2	69	−34	2.46	2.9	9	10	8	10
1919	32.0	66	−7	2.23	4.7	11	12	6	10
1920	25.6	62	−20	2.44	18.3	11	9	8	12
1921	32.8	76	−15	2.59	15.4	10	8	8	12
1922	33.0	74	−19	1.99	7.7	10	9	9	10
1923	24.6	58	−20	2.16	11.7	12	8	8	12
1924	26.9	70	−25	2.94	16.3	10	11	7	11
1925	35.6	71	−11	2.16	2.1	8	11	7	10
1926	28.7	65	−13	4.06	23.3	12	7	6	15
1927	35.0	69	−8	3.48	16.5	13	7	8	13
1928	30.3	65	−11	3.42	6.7	11	10	7	12
1929	28.0	69	−20	2.87	11.7	9	10	8	10
1930	35.1	80	−18	2.69	3.9	11	9	6	13
1931	31.9	66	−16	1.98	5.2	9	11	5	12
1932	35.3	83	−8	1.64	2.9	10	10	8	11
1933	31.3	68	−15	2.30	9.4	10	12	7	9
1934	18.1	59	−34	1.31	14.4	7	13	7	8
1935	28.9	66	−26	2.67	14.4	12	8	7	13
1936	21.5	69	−27	2.33	12.3	9	11	7	11
1937	31.4	77	−12	2.32	6.5	10	9	8	11
Period	28.2	83	−39	2.85	10.9	10	9	7	12

Climatological Data for February, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	No. of days Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Atlantic Drainage.																				
Allentown	Lehigh	254	25	32.8	+3.9	59	13	13	4	34	2.41	-0.95	0.88	3.8	10	15	10	3	ne.	John A. Frick.
Altoona	Blair	1,615	50	29.2	+2.6	57	13	1	28	37	2.70	+0.37	1.42	11.5	11	4	8	16	w.	John J. Martin.
Ardmore	Montgomery	350	17	33.4	+1.4	60	21	14	4	31	2.45	-0.67	1.27	5.5	9	7	7	14	......	H. L. Balderston.
Arendtsville	Adams	700	15	31.4	+0.2	54	21	15	3†	32	3.76	+1.02	1.78	......	13	11	9	8	n.	Dr. S. W. Frost.
Bedford	Bedford	1,060	5	31.1	......	60	13	9	17†	36	2.39	......	1.25	6.3	9	8	6	14	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	34.8	+3.8	62	13	14	4†	29	1.85	-1.26	1.17	3.2	7	11	5	12	nw.	Lehigh University.
Carlisle	Cumberland	467	71	33.7	+3.7	57	21	12	4	37	3.62	+0.37	2.20	6.0	10	14	7	7	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	41	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. L. Gearhart.
Center Hall	Center	1,272	41	31.4	+4.1	58	19	7	11	26	3.04	+0.70	1.30	7.0	9	20	1	7	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	33.8	+2.3	57	21†	11	6	30	2.59	-0.07	0 90	5.0	10	5	13	10	nw.	William B. Spear.
Clearfield	Clearfield	1,120	30	28.6	+0.4	59	12	-2	28	47	1.48	-1.31	0.35	7.2	8	7	12	9	w.	E. W. Hess.
Coatesville	Chester	380	50	32.8	+2.5	57	21	14	4	27	2.71	-1.06	1.15	6.5	10	8	5	15	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	30.1	+0.7	55	21	9	4†	31	2.81	-0.60	1.36	7.2	11	14	4	10	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	28.8	+3.2	55	22	-3	28	41	1.52	-1.30	0.88	3.8	8	11	10	7	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	34.4	+4.5	56	13†	15	4	32	2.22	-0.73	0.85	2.9	10	7	9	12	n.	Ira J. Keath
Freeland	Luzerne	1,970	44	27.4	+2.8	57	13	5	4	28	3.52	+0.01	1.87	6.6	10	5	2	21	nw.	Andrew B. Evansha
George School	Bucks	190	31	35.4	+4.4	58	21	14	4	33	2.04	-1.02	0.87	3.7	11	7	12	9	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	34.4	+3.2	56	22	15	6	29	3.19	+0.43	1.31	5.7	9	10	6	12	w.	Dr. Henry Stewart
Gordon	Schuylkill	840	33	30.2	+3.2	62	13	5	4	40	4.59	+1.32	2.47	10.0	11	16	3	9	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	25.6	+3.3	57	13	1	4	34	4.21	+0.88	2.00	9.5	10	15	4	9	n.	Ronald H. Marshall.
Hamburg	Berks	535	44	32.4	+3.2	57	22	11	4	26	2.14	-1.18	1.09	3.7	9	15	5	8	nw	State Sanatorium.
Hanover	York	600	33	35.2	+2.3	59	13	12	28	28	3.82	+1.01	1.45	7.0	11	12	5	11	s	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	33.0	+2.8	58	21	17	4	23	3.16	+0.20	1.66	4.5	10	6	11	11	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	19	27.3	+1.9	57	13	1	4	38	3.25	+0.43	2.08	4.3	11	10	13	5	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	33.3	+1.1	52	13†	19	4†	25	3.28	+0.56	1.29	6.5	9	9	7	12	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	30.9	+1.7	61	13	9	4	44	2.10	-0.59	1.15	4.6	7	6	6	16	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	6	25.8	......	54	13	2	28	29	1.53	......	0.85	9.2	14	5	2	21	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	33.6	+2.9	57	21	11	6	35	2.47	-0.20	1.00	2.0	10	14	6	8	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	40	28.6	+4.0	58	13†	-3	28	36	1.65	-0.18	1.40	6.5	4	8	11	9	......	C. P. Darling.
Lebanon	Lebanon	469	53	32.2	+2.8	58	13	15	4†	33	3.26	+0.13	1.45	1.5	10	19	4	5	w.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	32.1	+3.9	58	22	10	4†	34	2.38	-0.16	1.67	7.5	8	5	12	11	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	38.6	+4.8	62	20	19	3	25	1.69	-0.72	0.74	4.3	11	14	5	9	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	32.8	+3.3	58	13†	11	4†	29	2.83	+0.38	1.84	3.9	9	13	8	7	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	25.6	+4.2	55	13	5	4	26	2.64	-0.34	0.60	7.0	11	6	3	19	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	27.8	+2.1	57	13	1	26	37	2.13	-0.27	1.49	5.0	5	14	6	8	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	33.2	+3.8	60	21	12	4	34	1.78	-1.18	0.50	5.0	10	14	3	11	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	31.0	+2.6	58	13	9	4	31	2.28	-0.11	0.99	2.0	8	10	10	8	n.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	35.8	+1.9	60	21	20	26	24	1.66	-1.66	0.45	4.1	10	7	7	14	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	34.6	+2.7	61	21	13	4	35	2.32	-1.08	1.58	4.0	10	9	11	8	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	32.4	+3.8	58	21	10	3	30	1.81	-1.50	1.18	3.3	9	12	8	8	nw.	John E. Benner.
Reading	Berks	273	67	34.2	+5.3	62	13	17	26	25	1.83	-1.59	0.78	1.8	11	6	12	10	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	30.0	......	59	13†	8	4	38	3.21	......	1.42	5.0	9	14	7	7	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	30.4	+3.1	59	13	12	4	29	2.47	-0.68	1.38	4.6	8	3	12	13	sw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	47	31.8	+3.5	58	13	11	4†	36	3.28	+0.51	1.53	6.5	11	5	13	10	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	35.2	+2.2	59	21	15	4	26	1.62	-1.56	0.77	3.8	10	5	12	11	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	33.7	......	57	21†	15	4†	28	2.86	......	0.98	7.2	10	9	5	14	sw.	State Teachers College
State College	Center	1,217	53	29.4	+2.7	56	13†	6	28	32	2.38	-0.09	1.20	7.9	10	9	9	10	nw.	C. A. Kern.
Stroudsburg	Monroe	500	23	30.1	+3.3	63	13	8	4	44	2.27	-1.08	1.68	1.6	7	13	4	11	w.	State Normal School.
Towanda	Bradford	754	43	29.2	+4.3	60	21	7	28	36	2.22	+0.23	1.68	8.6	10	7	13	8	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	26.3	+1.5	56	13	-1	28	38	1.82	-0.20	1.35	4.5	6	19	3	6	n.	George W. Hill.
West Chester	Chester	455	88	34.4	+3.3	59	21	14	4	29	2.85	-0.65	1.51	6.3	12	5	14	9	nw.	Harlan Saylor.
Williamsport	Lycoming	521	51	30.9	+3.2	55	21†	10	4†	36	3.35	+0.85	2.61	5.1	9	18	5	5	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	31.2	+1.1	61	13	9	4	31	3.32	+0.65	2.20	8.0	9	9	11	8	nw.	Susquehanna Collieries Co.
York	York	400	49	34.0	+3.0	59	13	11	6	34	3.44	+0.69	1.57	3.0	11	15	5	8	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	27.6	+2.8	58	8†	-4	28	46	2.36	+0.23	0.76	8.7	15	7	8	13	......	Frank S. Fawcett.
Butler	Butler	1,077	24	31.6	+4.2	71	7	8	28	34	0.86	-1.54	0.51	3.4	6	6	16	6	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	31.0	+1.6	71	8	1	28	40	1.34	-1.52	0.40	8.1	12	7	7	14	w.	John E. Lewis.
Clairton	Allegheny	1,020	5	31.5	......	77	8	12	28	37	1.15	......	0.33	8.1	10	4	3	21	s.	Carnegie Steel Co.
Claysville	Washington	1,150	32	33.0	+1.6	74	8	4	17	41	1.92	-0.55	0.63	7.8	12	12	6	10	s.	J. L. Melvin.
Corry	Erie	1,430	24	29.2	+3.6	64	9	4	28	39	1.90	-0.91	0.48	14.0	14	10	11	7	nw.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	40	33.2	+3.5	74	8	5	28	38	2.05	-0.97	0.31	8.7	13	9	8	11	sw.	Ted R. Wineman.
Donora	Washington	762	11	35.2	+1.1	77	8	17	17	35	1.50	-0.70	0.42	......	9	6	14	8	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	20	28.0	+0.5	66	8	2	28	37	2.14	-0.57	1.00	20.0	12	8	13	7	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	20	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. S. Stevanus.
Franklin	Venango	957	63	28.8	+3.2	65	18	2	28	47	1.87	-0.62	0.54	6.0	8	2	3	23	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	32.8	+1.5	73	8	10	28	39	1.79	-0.96	0.34	13.8	14	4	10	14	w.	Westmoreland Water Co.
Greenville	Mercer	950	41	30.6	+3.8	66	8†	0	28	39	1.70	-0.87	0.50	3.6	9	8	4	16	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	30.6	+3.0	68	8	8	10	38	1.55	-0.68	0.29	2.4	12	10	8	10	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	32.8	+2.9	73	8	10	17†	40	1.80	-0.55	0.46	5.5	10	18	10	0	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	32.0	+1.8	60	8	8	28	36	2.57	-0.91	0.58	11.0	18	8	13	7	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	5	27.3	......	54	22	1	28	35	1.96	......	1.20	16.0	8	7	12	9	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	45	32.1	+2.6	71	8†	6	28	39	1.93	-1.20	0.42	13.5	11	1	7	20	w.	Westmoreland Water Co.
Meadville	Crawford	1.080	43	30.3	+6.1	65	9	-3	28	39	2.03	-0.49	0.45	13.2	12	8	5	15	sw.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	33.0	......	72	8	12	28	40	1.01	......	0.28	3.5	9	10	5	13	n.	Perry P. Campbell
New Castle	Lawrence	808	57	30.4	+1.8	70	9	10	28	36	1.22	-0.97	0.46	2.9	13	1	18.	9	nw.	New Castle Water Co.
Newell	Fayette	800	17	33.1	-0.4	72	9	13	3	34	2.45	+0.23	0.85	4.0	7	8	12	8	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	30.6	-1.7	72	8	12	25	32	1.40	-1.22	0.39	6.0	14	4	7	17	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	26.4	+1.3	58	8	-7	28	44	2.34	-0.03	1.03	9.3	13	4	7	17	sw.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	24	32.5	+4.3	66	8†	13	28	39	1.15	-0.85	0.40	2.5	11	3	14	11	s.	Harry H. Gerber.
Somerset	Somerset	2,190	70	27.3	+0.4	66	8	-12	28	43	1.92	-1.98	0.45	14.7	14	4	8	16	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	34.4	+2.0	73	8	13	28	33	1.87	-1.00	0.52	7.5	11	8	8	12	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	32.6	+1.1	73	8	11	28	34	0.76	-2.05	0.25	......	7	12	11	5	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	48	31.8	+7.1	62	8†	6	28	32	1.87	-0.47	0.53	8.5	12	7	5	16	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	33.5	......	75	8	12	28	41	1.62	......	0.40	3.0	7	1	18	9	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	30.5	+3.6	67	8	13	28	35	2.15	-0.43	1.14	6.5	11	3	7	18	w.	U. S. Weather Bureau.
For the State	......	......	50	31.4	+3.2	77	8	-12	28	47	2.32	-0.53	2.61	6.5	10	9	8	11	nw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † Ou other dates also. * Incomplete.

Reference letters, ª, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-4-7-37-1050.

Daily Precipitation for February, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh		.60			.09	T.		T.	.07	.16				.42	.05						.01	.88			.03	.10						2.41
Altoona	Juniata				.05	.05			.24	.12	T.	T.			.08	.05	.30					.24	1.42			.10	.05	T.					2.70
Ausonia‖‖	W. Br. Susq	.18		T.		.02	T.		.13		T.	T.			.07	T.						.01	.93			.17		T.	T				1.61
Ardmore	Lower Del				T.	.08			.12	.10	T.				.44		.33				.03	.50	.77			.08							2.45
Arendtsville	Lower Susq	.01				.13			.37	.32	.23				.44	T.	.08	.19		.01		.11	1.78			.08	.01						3.76
Baker's Summit	Juniata				.05	.05			.29	.17					.09		.23					.35	1.23										2 46
Bedford	Juniata		T.		T.	T.			.48	.25	T.				.04	.03	.20		.04		T.	.75	.50	T.		.10	T.	T					2.39
Bellefonte	W. Br. Susq	T.	T		.03	.01			.17	.15	T.	T.			.09	T.	.01					.49	46	T.	T.	.06	T.	T.					1.47
Bethlehem	Lehigh		T.			.05			.05		.07				.41	T.	T.					.01	1.17			.09							1.85
Bloserville‡‡	Lower Susq				.10				.20	.22					.20		.30				.02	1.10				.10							2.24
Buffalo Mills‖‖	Juniata	.19				.04			.35	.15							.14	.18				.17	.93										2.15
Carlisle	Lower Susq				T.	.14			.21	.45	.03				.20	T.	.23				.12	.50	1.70	T		.01		T.					3.62
Catawissa	N. Br. Susq																																
Center Hall	Susquehanna			.15	.08				.47	.08					.08							1.30	.68	.10		.10							3.04
Chambersburg	Potomac				.06	.04		T.	.33	.51	.01				.21	T.	.22		T.			.44	.72			.05							2.59
Clearfield	W. Br. Susq				.15	.06			.34	.19					.04						.30	.35			T.	.05	T	T.					1.48
Coatesville	Lower Del					.09			.21	.15	.12				.17		.33				.03	.45	1.15			.01							2.71
Colebrook	Lower Susq				.01	.05			.14	.46	.02				.51	T.	.16				.05	*	1.36			.05							2.81
Conshohocken	Schuylkill					.07			.12	.11	.01				.39		.31	.03			*	.20	.44			.08							1.76
Doylestown	Lower Del					.03			.06	.06	.02				.22		.09	T.				.01	1.19			.06							1.74
Emporium	W. Br. Susq				.01	.03			.28	.17					.07	.04						.04	.88	T.	T.	T.	T.	T.					1.52
Ephrata	Lower Susq					.05			.13	.25	.05				.56		.17				.02	.10	.85			.04							2.22
Forest City	N. Br. Susq	.26	.14	.09		.13		T.	.03	.37	.13				*	.75						.08	1.48	T	T.	T.	T.	.02					3.48
Freeland‖‖	Lehigh	.40	T.	T.		.06	T.	T.	T.	.32	.35	T.			.30	.12	T.	T.				.06	1.87			.02	.02	T.	T.				3.52
Galeton	N. Br. Susq		T.		T.	.04			.15	.04	T.				.10							.20	.82		.03	.05	T.	T.					1.43
George School	Lower Del					.10			.08	.09	.06				.45	T.	.15					.06	.87	.02		.13	.03						2.04
Gettysburg	Potomac				T.	.12			.50	.38	.22				.22	T.	.42	T.	T.	T.	.02	.58	.73			T.		T.					3.19
Girardville‖‖	Lower Susq				.04			.02	.20	.39				.29	.09		.02				.06	2.61		T.	.09	.13	T.	.02					3.96
Gordon	Lower Susq					.10			.07	.47	.11				.45		.10				.02	.30	2.47			.40		.10					4.59
Gouldsboro‖	Lehigh	.25	.05		.20				.02	.68					.66	.10						2.00				.20	.05						4.21
Graterford	Schuylkill	.01				.04			.11	.03					.02		.16					T.	1.37			.16							1.90
Hamburg	Schuylkill					.03			.06	.31	T.				.20	.25	T.				*	.08	1.09			.12							2.14
Hanover	Lower Susq				T.	.11			.46	.36	.31				.45		.40	.06	T	T.	.03	.16	1.45			.03		T.					3.82
Harrisburg***	Lower Susq				.10	.02		T.	.15	.67					.28		.20				.06	1.43	.24	T.		.01	T.	T.					3.16
Hawley‖‖	Upper Del	.20	.02	.01		.10				.20	.28	T.			.20	.09	T.					.01	2.08		.06	T.	T.	T.	T.				3.25
Hollisterville	Upper Del	.23	.03	.01		.15			T.	.18	.33	T.			.04	.40						.03	1.92		.06	T.	.09	T.	T.				3.47
Holtwood‡‡	Lower Susq	.51				.10			.26	.02	.20				.37	T.	T.	.53				.04	1.25			T.	T.						3.28
Huntingdon	Juniata		T.		.09	T.			.32	.18	T.				T.		.15				T.	.20	1.15	.01		T.		T.					2.10
Hyndman	Potomac																																
Kylertown***	W. B. Susq	T.	T.	T.	.02	.02	T.	T.	.12	.11	T.	T			.16	.02	.06				T.	.78	.10	.01	.08	.03	.01	.01					1.53
Lakeville‖‖	Upper Del	.10	.20			.15				.23	.24				.30	.05							1.86	T.	.09		.01	.02	.02				3.27
Lancaster	Lower Susq					.05			.31	.23	.11				.39		.26				.01	.10	1.00	T.		.01							2.47
Lansford‖‖	Lehigh	.50				.05				.15	.20				.49	.07						*	1.76			.01	.01						3.24
Lawrenceville	N. Br. Susq		T.	T.	T.	T.			.10	T.					T.	.05						T.	1.40		T.	.10	T.	T.					1.65
Lebanon	Lower Susq				.04			.03	.27	.30				.41	.05	T.	.04				.05	1.45		T.	.02	T.							3.26
Lehighton‖‖	Lehigh	.61	T.			.12			T.	.26	.14				T.	.71						T.	T.		T.								1.84
Lock Haven	W. Br. Susq					.13			.15	.13					.17	T.						.05	1.67		.03	.05	T.	T.					2.38
Marcus Hook	Lower Del					.03			.16	*	.16				.40		*	.16			*	*	.74			.04							1.69
Matamoras‖‖	Upper Del	.46				.11					.32				.32	.06							2.10			.10							3.47
Mifflintown	Juniata				.15				.24	.31					.12	T.	.13				.01	1.84		.01		.02	T.	T.					2.83
Montrose	N. Br. Susq		.07			.09			.10	.19					.30	.01							1.99			.10							2.85
Morris Run	N. Br. Susq		T.						.06	14					.23							.12	2.23		.03		.04	.06					2.91
Mount Pocono	Upper Del		.10			.10			.30	.40	.10			.60	T.							.40	.20	T.		.20	.12	.12					2.64
Muncy Valley	W. Br. Susq		T.			T.			.04	.13					.34							T.	1.49			.13	T.	T.					2.13
Neshaminy‖‖	Lower Del					.11		T.	.12	.13	.07				.44		.08				.05	.24	.50			.04							1.78
New Park	Lower Susq					.10			.57	.23	.05			.47			.38				.10	2.23				.04							4.17
Newport‖‖	Juniata	.48				.14			.12	.22	.23				.10			.12				.15	2.25			.10							3.91
Palmerton‡	Lehigh	T	T.		.01	.03			.03	.21					.66		T				T.	.30	.99			.05							2.28
Paupack‖‖	Upper Del	.32				.11					40				.27		.02						2.35		.02		.02						3.51
Philadelphia***	Lower Del				T.	.05			.14	.09	.02				.45		.33				.03	.16	.29			.10							1.66
Phila. Navy Yard‖‖	Lower Del					*	.07		.13	.12	.03				*	.53	*	.56			*	.04	.67				.11						2.26
Phila-P'nt Breeze.‡	Lower Del					.75			.13	.13	T.				.38		.30				.03	*	.73			.20							2.65
Phoenixville	Schuylkill	T.				.10			.08	.10	.02				.10		.22	.05				.02	1.58			.05							2.32
Pine Grove	Lower Susq				.05	.05			.08	.50					.55		.11				.15	1.38	.15			.12		T.					3 14
Pleasant Mt.‖‖	Upper Del				.30					.66					.50								2.03			.14							3.63
Pottstown	Schuylkill		T.		.02	.01	T.	T.	.05	.21	.02			T	.62	T.	.03	.02			T.	.50	.27	T.		.05		T.					1.80
Pottsville	Schuylkill	T.				.03			.09	.34	.06				.51	T.						.14	2.21			.03	T	T.					3.41
Quakertown	Lower Del					.05			.05	.08	.04				.24		.11	T				.06	1.12			.06							1.81
Reading***	Schuylkill		T.		.03	.01	T.	T.	.06	.20	.03			T.	.60	T.	.04	.02			T.	.49	.29	T.		.06		T.					1.83
Renovo.‖‖	W. Br. Susq					.04			.18	.16					.13	.08						.08	1.25		.04	.10		T.					2.06
Retreat	N. Br. Susq					T.			.38	.56					.50	.05					.02	1.42	.16	.01		.11		T					3.21
Scranton***	N. Br. Susq		T.	T.	T.	.11			.04	.46	T.				.39	.04					T.	.33	1.05	T.	T.	.05	T.	T					2.47
Selinsgrove	Lower Susq					.08			.18	.36					.34	.02	.05				.04	.54	1.53	.10		.04							3.28
Shawmont	Schuylkill					.04			.15	.09	.03				.30		.18	.01			T.	.03	.77			.02							1.62
Shippensburg	Lower Susq	T.			T.	.12			.38	.52	.01				.20	T	.35	.02	T.	T.	.03	.21	.98	T.		.04		T					2.86
State College	W. Br. Susq	T.	T.		.07	.08			.22	.15	T				.09	.06	.09					.31	1.20	T.		.11	T.	T					2.38
Stroudsburg‖‖	Upper Del		T.			.16			T.	.19	.16				.04	T.					.01		1.68		T.	.03	T.	T					2.27
Sunbury‖‖	Lower Susq	.36				.19			T.	.22	.23				.38	T.		T				.03	2.02		T.	.13	.04						3.60
Susquehanna‖‖	N. Br. Susq	T.	.15	.02		.08				.26	.08				.15	.19	T.						1.34		T	.04	T.	.03					2.34
Towanda	N. Br. Susq		.01	T.	T.	.03			.16	.05	T.				.08	.04					T	.10	1.68	T.		.06	T.	.01					2.22
Weikert	Lower Susq				.12				.25	.25					.15		.10					.80	1.30			.10	10						3.17
Wellsboro	N. Br. Susq		.02		.02	T.			.17	T.					.06	T						.20	1.35		T.		T.						1.82
West Chester	Lower Del					.07			.20	.13	.16				.17	.01	.49	.05			.01	.08	1.43			.05		T.					2.85
Westgrove‖‖	Lower Del					.12			.27	.02	.22				.12			.35				.10	.85			.03	T.						2.08
Wilkes-Barre‖‖	N. Br. Susq	.37	.02	T.	T.	.02	T.			.13	.33				.38	.07	T.					T.	.75		.04	.05	T.	T					2.16
Williamsport‖‖	W. Br. Susq	.20				.13			.04	.13	.06				.08	T						T	2.61		.01	.09							3.35
Williamstown	Lower Susq					.07			.10	.48	.05				.30	T.	.02					.54	1.66			.10							3.32
York	Lower Susq				T.	.08			.35	.35	.15				.45		.40	.02			.05	.18	1.39			.02							3.44
York Haven‖‖	Lower Susq	.48				.10			.19	.27	.30				.43		.04	.10				.18	1.15			.03							3.27
Zionsville..(near).	Schuylkill	.05				.28			.05	.24	.08				.65	.02	.25	.30			.20		2.50			.30							4.92
Trenton, N. J***	Lower Del		T.			.12		T.	.07	.09	.01				.36	T.	.12				.05	.25	.38			.07	T.	T.					1.52

Continued on page 9.

Daily Precipitation for February, 1937—Continued from page 8

Stations	Drainage Basin	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	.08	.15	T.	....	.10	T.	....	.16	.29	....	T.	....	....	.16	.12	T.	T.	....	....	....	....	.28	T.	T.	.05	T.	T.	T.	....	....	....	1.39
Bradford	Allegheny	T.	.03	....	T.	.08	....	....	.38	.40	....	T.	....	....	.22	.10	....	....	....	....	....	T.	.85	....	....	.06	.03	T.	....	....	....	....	2.15
Brookville‖‖	Allegheny	.31	.02	.02	.09	.15	.02	....	.22	.37	....	....	....	....	.28	.03	....	....	....	....	....	.01	.75	....	.01	.02	.04	....	....	....	....	....	2.36
Butler	Ohio	....	.01	....	.15	....	....	....	.15	T.	....	....	....	....	.02	....	T.	....	....	....	....	.51	....	....	....	.02	T.	T.	....	....	....	....	0.86
Chambersville	Allegheny	....	....	.01	.12	.05	....	....	.23	.40	....	....	....	....	.12	.03	.08	....	....	....	....	.04	T.	T.	....	.12	.10	.04	....	....	....	....	1.84
Clairton‡	Monongahela	....	....	T.	.05	.01	....	....	.33	.24	.01	....	....	....	.12	....	.18	....	....	....	....	.18	T.	.02	T.	.01	T.	T.	....	....	....	....	1.15
Claysville	Ohio	....	T.	T.	.01	.04	....	....	.20	.63	T.	T.	....	....	.18	.04	.32	....	....	....	....	.17	.11	.10	....	.10	T.	.02	....	....	....	....	1.92
Confluence‖‖	Youghiogheny	.28	.02	....	....	.20	....	....	.55	.30	.05	....	....	....	.20	.10	T.	.20	....	.05	....	....	.36	.02	.08	.07	.05	T.	....	....	....	....	2.54
Corry	Allegheny	.06	.06	....	.03	.05	....	....	.48	.38	....	.03	....	....	.22	.08	....	....	....	....	....	....	.23	....	.01	.10	.15	.02	....	....	....	....	1.90
Coudersport	Allegheny	....	T.	....	T.	.05	....	....	T.	.18	T.	....	....	....	.22	.02	....	....	....	....	....	T.	.83	....	T.	.08	.03	....	....	....	....	....	1.41
Derry	Conemaugh	....	.03	....	.09	.25	....	....	.25	.31	T.	....	....	....	.17	.06	.28	....	T.	....	....	....	.30	.15	....	.09	.02	.05	....	....	....	....	2.05
Donora‖‖	Monongahela	....	....	....	....	.05	....	....	.26	.42	....	....	....	....	.07	.03	.33	T.	....	....	....	T.	.20	.11	....	.02	....	T.	....	....	....	....	1.50
Du Bois	Allegheny	....	T.	....	....	.08	....	.30	.26	....	....	....	....	....	.16	....	....	....	....	....	....	.01	1.24	.03	T.	.05	.02	T.	....	....	....	....	2.15
Ebensburg	Conemaugh	....	T.	....	....	.25	.02	....	.20	.15	....	T.	....	....	.10	.14	.05	.16	....	....	....	T.	1.00	....	....	.15	.14	.05	....	....	....	....	2.41
Elk Lick	Youghiogheny	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Franklin‖‖	Allegheny	.03	T.	....	....	.05	....	....	.26	.33	....	....	....	....	.36	.03	....	....	....	....	....	....	.54	....	....	....	.26	....	....	....	....	....	1.87
Greensboro‖‖	Monongahela	.18	....	....	....	.09	T.	....	.29	.27	.09	T.	....	....	.07	.06	T.	.21	....	.01	T.	T.	.21	.02	.09	.15	.02	T.	T.	....	....	....	1.76
Greensburg	Youghiogheny	....	.02	.02	.08	.21	....	....	.26	.34	T.	T.	....	....	.08	.02	.24	....	T.	....	....	T.	.19	.18	T.	.07	.05	.03	....	....	....	....	1.79
Greenville	Beaver	T.	.04	.01	T.	.04	....	....	.22	.28	T.	T.	....	....	.33	T	....	....	T.	....	....	.50	T.	....	T.	.01	.25	.02	....	....	....	....	1.70
Grove City	Beaver	T.	T.	.03	T.	.05	....	....	.15	.21	T.	....	....	....	.15	.27	....	....	....	....	....	.10	.29	....	....	.05	.21	.02	.02	....	....	....	1.55
Herrs Isl. Dam‖‖	Ohio	.21	.02	T.	....	.14	T	....	.33	.25	.04	.02	....	....	T.	.06	.04	.07	....	....	....	T	.20	.02	.02	.04	T.	T.	.04	....	....	....	1.50
Irwin	Monongahela	....	T.	....	.08	.20	....	....	.20	.46	T.	....	....	....	.12	.05	.26	....	....	....	....	.10	T.	.30	....	.02	T.	T.	....	....	....	....	1.80
Johnstown	Conemaugh	....	.04	....	.07	.10	....	.01	.44	.24	.03	.01	....	....	.15	.16	.18	....	.06	....	....	.58	.15	.07	T.	.12	.14	.02	....	....	....	....	2.57
Kane (near) ‡‡	Allegheny	....	T.	.06	....	.02	....	....	.06	.34	....	....	....	....	.19	.06	....	....	....	....	....	T.	1.20	....	....	....	.03	T.	....	....	....	....	1.96
Kregar‖‖	Youghiogheny	.02	T.	T.	.26	.02	....	.38	.37	.05	.02	....	....	.21	.05	.03	.09	....	....	....	....	.48	.05	.20	.08	.04	.04	.03	....	....	....	....	2.42
Lake Lynn‖‖	Monongahela	.15	....	....	....	.14	.01	....	.58	.47	.17	.07	....	....	.11	.11	.01	.27	....	....	....	.02	.26	....	.14	.14	.02	....	....	....	....	....	2.67
Linesville‖‖	Beaver	.03	....	....	....	....	....	....	.31	....	.01	....	....	....	.16	.03	....	....	....	....	....	.90	....	....	....	....	.40	....	....	....	....	....	1.84
Lock No 2‖‖	Ohio	.35	T.	T.	....	.15	T.	....	.17	.34	....	....	....	....	.08	.01	.02	.05	....	....	....	....	.24	....	T.	T.	....	....	....	....	....	....	1.41
Lock No. 4‖‖	Monongahela	.25	....	....	....	.12	.01	....	.37	.28	.08	....	....	....	.10	.02	.10	.13	....	....	....	.01	.19	.08	.09	.03	.02	....	.02	....	....	....	1.90
Lock No. 5‡‡‖‖	Allegheny	.26	.01	T.	....	.15	....	....	.21	.29	.04	T.	....	....	.13	.15	.01	.03	....	....	....	.01	.44	T.	T.	.03	T.	T.	.01	....	....	....	1.77
Lycippus	Conemaugh	.03	....	....	.14	.17	....	....	.42	.12	.08	....	....	....	.22	....	.19	....	....	....	....	....	.28	.21	....	....	.07	....	....	....	....	....	1.93
McKeesport‖‖	Monongahela	T.	....	....	....	.03	T.	....	.19	.38	.07	....	....	....	.07	.06	T.	.21	....	....	....	....	.24	T.	....	T.	T.	....	....	....	....	....	1.25
Meadville	Allegheny	T.	.02	....	T.	.09	....	....	.45	.32	T.	.02	....	....	.39	.05	....	....	T.	....	....	*	.42	....	....	.10	.15	.02	....	....	....	....	2.03
Midland	Ohio	....	T.	T.	.04	.11	....	....	.12	.28	T.	T.	....	....	.16	.02	.06	....	....	....	....	.06	.16	T.	....	T.	....	....	....	....	....	....	1.01
Mosgrove‖‖	Allegheny	.28	T.	T.	....	.14	....	....	.23	.28	.01	T.	....	....	.25	.11	....	.03	....	....	....	.01	.25	T.	.01	.03	.05	.03	T.	....	....	....	1.71
Mount Lebanon	Ohio	....	T.	T.	.06	.06	....	....	.14	.39	T.	....	....	....	.25	T.	.15	....	....	....	....	.27	....	.01	....	.04	T.	T.	....	....	....	....	1.37
Natrona‖‖	Allegheny	.26	.02	.01	....	.20	T.	....	.21	.25	.05	T.	....	....	.18	.14	.03	.06	....	....	....	T.	.40	T.	.03	.04	.04	T.	T	....	....	....	1.92
New Castle‖‖	Beaver	.10	.02	T.	....	.02	....	....	.10	.27	.01	T.	....	....	.10	.05	....	....	....	.02	....	T.	.46	T.	T.	.02	.03	.02	T	....	....	....	1.22
Newell	Monongahela	....	....	....	.10	....	....	....	.85	.30	....	....	....	....	....	.10	....	....	.20	....	....	....	.20	....	....	.70	....	....	....	....	....	....	2.45
Parkers Landing‖‖	Allegheny	.15	T.	T.	T	.08	T.	....	.15	.33	....	T.	....	....	.20	.05	T.	....	....	....	....	T.	.42	T.	....	T.	.08	T.	T.	....	....	....	1.46
Pennline‖‖‡‡	Beaver	....	.02	.01	....	.06	.01	....	.41	.29	T.	.02	....	....	.18	.06	....	....	....	....	....	....	.43	....	T	.03	.06	.01	....	....	....	....	1.59
Pittsburgh***	Ohio	T.	.01	T.	.15	.03	T.	T.	.39	.22	T	T.	....	....	.14	T.	.19	....	....	....	....	.14	.03	.02	.01	.04	.02	.01	....	....	....	....	1.40
Punxsutawney‖‖	Allegheny	.20	....	....	T.	.12	....	....	.23	.26	....	....	....	....	.10	.05	.02	....	....	....	....	T	.47	.02	.02	T.	.02	....	....	....	....	....	1.51
Ridgway	Allegheny	.27	.03	.03	....	.10	.02	....	.28	.29	T	T.	....	....	.12	.04	....	....	....	....	....	T.	1.03	....	....	.05	.05	.03	T.	....	....	....	2.34
Saltsburg‖‖	Conemaugh	.24	T.	T.	....	.17	T	....	.19	.28	T.	T.	....	....	.17	.03	.10	.14	....	....	....	T.	.20	T	....	T.	.06	T	T.	....	....	....	1.58
Sharon‖‖	Beaver	T.	.02	....	....	.09	....	....	.17	.18	....	T.	....	.15	.05	....	....	....	....	.01	....	....	.40	T.	T.	.02	.05	.01	....	....	....	....	1.15
Smethport‖‖	Allegheny	....	.10	.10	....	.10	T.	....	.16	.28	T.	....	.10	....	.10	T.	.05	....	....	....	....	....	.80	....	....	....	.10	T.	....	....	....	....	1.89
Somerset	Youghiogheny	....	T.	....	.12	.13	....	T.	.45	.26	T	T.	....	....	.11	.11	.17	....	.02	....	....	.02	.24	.09	....	.05	.11	.04	....	....	....	....	1.92
Springdale‖‖‡‡	Allegheny	.20	.02	T.	....	.19	....	....	.20	.32	.05	.02	....	....	.07	.02	.06	.03	....	....	....	.02	.33	T.	.04	.03	T.	T.	.03	....	....	....	1.63
Uniontown	Monongahela	....	T.	....	.07	.10	....	T.	.30	.52	T.	....	....	....	.17	.03	.17	....	....	....	....	T.	.27	.11	T.	.11	....	.02	....	....	....	....	1.87
Unity Reservoir‡‡	Youghiogheny	....	.01	T.	.10	.09	....	....	.34	.37	T.	T.	....	....	.12	.05	.25	....	T.	....	....	.01	.30	.16	....	.01	T.	T.	....	....	....	....	1.81
Vandergrift‡	Conemaugh	T.	T.	....	.11	....	....	....	.25	.11	....	....	....	....	.09	....	.04	....	....	....	....	.09	....	....	....	.07	....	....	....	....	....	....	0.76
Warren	Allegheny	....	.15	T.	.05	.04	....	....	.40	.16	....	.03	....	....	.22	.10	....	....	....	....	....	....	.53	....	....	.10	.05	.04	....	....	....	....	1.87
Waynesburg	Monongahela	....	....	....	T.	T.	....	....	.35	.40	....	T.	....	....	T.	.16	.18	....	....	....	....	....	.22	.16	....	.14	T.	T.	....	....	....	....	1.62
Westford‖‖	Beaver	....	....	....	.08	.07	....	.28	.30	....	T.	....	....	.06	.30	.12	....	....	.03	....	....	.45	....	....	....	.30	.23	.18	.12	....	....	....	2.52
West Newton‖‖	Youghiogheny	.27	....	....	....	.06	....	....	.26	.23	.06	....	....	....	.09	.04	.10	.08	....	....	....	....	.15	.08	.04	.02	....	....	.02	....	....	....	1.51
Lake Drainage.																																	
Erie***	Lake Erie	T.	T.	T.	.03	.07	....	....	1.12	.03	.01	T.	....	T.	.20	....	T.	....	T	....	....	.24	.01	.02	.14	.28	T.	T.	....	....	....	....	2.15

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level) Mean	Highest.	Date	Lowest	Date	† Wind Average hourly velocity	Maximum * velocity	Direction	Date	Relative humidity 7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	29.98	30.59	3	29.23	21	15.5	45	se.	21	76	66	74	31
Harrisburg	30.01	30.51	3	29.44	14	8.6	26	se.	21	71	57	58	46
Philadelphia	30.02	30.42	3	29.41	22	13.7	45	se.	22	70	61	57	51
Pittsburgh	30.00	30.57	3	29.34	21	13.0	44	nw.	14	81	64	70	49
Reading	30.02	30.46	3	29.38	21	13.1	43	se.	21	69	59	56	48
Scranton	29.99	30.50	3	29.38	14	7.2	26	nw.	2	74	57	56	42

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	4.2	8.9	23	3.1	8	18
Easton	Delaware	5.1	15.5	23	3.2	20	......
Lehighton	Lehigh	3.9	5.9	22	3.1	5	7
Wilkes-Barre	Susquehanna	6.4	10.1	24	4.6	21	20
Williamsport	Susquehanna	3.6	5.6	1	2.2	21	20
Harrisburg	Susquehanna	5.5	7.5	24	4.6	21	18
Greensboro	Monongahela	14.1	25.8	9	11.8	7	30
West Newton	Youghiogheny	2.6	6.2	10	1.5	20	20
Lock No. 4	Monongahela	14.8	25.3	10	12.2	8	30
Pittsburgh	Ohio	......	21.2*	10	12.8*	28	25
Midland	Ohio	......	22.4*	10	11.5*	20	30

* —Pool stage.

Daily Temperatures for February, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	43	27	29	26	24	40	40	41	45	33	31	52	57	50	41	38	37	37	40	39	54	54	34	47	81	27	29	31	....	....	....	38.5
	Minimum	23	14	12	11	17	17	19	30	33	22	10	22	32	27	20	26	12	20	29	30	33	24	18	10	14	11	24	1	....	....	....	20.0
Bedford	Maximum	44	35	30	32	28	38	42	48	47	36	84	54	60	54	45	43	38	44	43	42	58	33	40	40	37	30	32	82	....	....	....	40.7
	Minimum	28	17	13	11	19	14	23	33	36	24	14	21	24	33	23	30	9	16	32	27	33	24	17	18	16	13	26	9	....	....	....	21.5
Bethlehem	Maximum	39	38	33	33	34	38	40	40	46	45	37	50	62	55	42	41	43	43	54	51	52	52	48	45	45	33	35	36	....	....	....	43.2
	Minimum	32	25	17	14	26	24	28	31	35	30	18	23	31	37	27	30	21	27	25	28	36	32	25	28	25	14	30	18	....	....	....	26.4
Brookville	Maximum	29	23	26	30	24	35	39	58	42	41	30	51	53	36	35	36	37	44	43	48	58	42	35	37	22	30	30	33	....	....	....	37.4
	Minimum	23	15	7	6	16	18	11	12	37	23	11	13	20	25	22	19	28	17	23	24	29	24	16	20	15	14	18	−4	....	....	....	17.9
Butler	Maximum	51	27	24	32	32	40	71	66	42	32	27	50	55	53	41	40	34	47	46	50	50	31	35	37	37	29	28	34	....	....	....	40.8
	Minimum	23	14	11	12	14	18	39	32	32	22	12	25	23	30	23	27	13	26	35	30	29	23	23	24	14	17	25	8	....	....	....	22.3
Carlisle	Maximum	46	40	34	30	35	40	40	38	44	42	35	55	56	52	52	45	46	40	52	47	57	56	42	46	40	35	39	38	....	....	....	43.6
	Minimum	29	21	16	12	23	15	19	31	34	25	16	18	22	37	27	28	20	18	28	25	35	30	22	25	30	17	29	16	....	....	....	23.8
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	47	37	36	31	34	37	45	35	46	38	35	53	56	49	56	43	45	43	50	43	57	57	45	43	35	33	38	37	....	....	....	43.0
	Minimum	32	20	16	15	24	11	26	31	34	24	16	26	26	34	27	29	17	19	30	30	35	30	27	27	19	17	29	16	....	....	....	24.5
Chambersville	Maximum	49	28	29	35	32	40	41	71	70	36	31	50	54	52	39	39	42	43	44	48	56	58	33	37	36	28	31	35	....	....	....	42.4
	Minimum	20	14	11	10	14	15	17	33	30	20	10	23	30	26	20	25	3	17	27	31	36	22	26	18	12	12	23	1	....	....	....	19.5
Claysville	Maximum	44	30	32	32	32	44	42	74	70	35	36	52	59	55	44	41	39	43	50	58	63	40	38	39	36	30	37	33	....	....	....	43.9
	Minimum	22	14	14	18	13	16	23	33	32	21	12	27	33	25	24	29	4	22	34	35	38	23	27	21	11	12	25	7	....	....	....	22.0
Clearfield	Maximum	42	34	34	30	33	42	39	47	45	38	39	59	49	50	37	40	44	42	46	45	53	34	44	42	34	33	33	35	....	....	....	40.8
	Minimum	21	12	9	12	12	18	18	31	29	22	11	12	24	10	21	12	8	17	12	24	27	21	11	14	15	12	24	−2	....	....	....	16.3
Coatesville	Maximum	41	34	32	32	35	38	42	39	49	40	30	47	55	47	45	42	40	43	47	42	57	55	46	42	38	35	38	32	....	....	....	41.5
	Minimum	33	22	15	14	24	17	25	31	35	28	17	20	28	33	27	27	21	17	20	22	35	30	25	29	20	16	27	16	....	....	....	24.1
Corry	Maximum	34	29	32	28	32	38	42	60	64	25	28	49	55	38	32	30	43	88	48	53	41	34	34	37	31	32	30	31	....	....	....	38.1
	Minimum	27	16	9	5	20	28	15	30	25	14	10	25	36	27	20	20	10	23	33	35	34	22	19	21	10	15	15	4	....	....	....	20.3
Emporium	Maximum	41	25	31	28	29	43	39	45	47	33	31	52	52	50	31	34	45	42	46	44	54	55	34	36	30	31	30	34	....	....	....	39.0
	Minimum	22	19	8	4	23	22	14	32	33	20	11	11	23	27	23	27	7	16	25	22	37	25	7	10	17	14	26	−3	....	....	....	18.6
Erie*	Maximum	28	23	21	32	29	40	32	67	50	28	32	51	56	47	31	30	37	40	48	48	55	33	29	35	25	29	28	28	....	....	....	36.9
	Minimum	27	17	17	15	23	23	20	32	28	17	15	31	43	25	28	24	21	31	37	37	33	26	22	22	14	23	19	13	....	....	....	24.1
Franklin‡	Maximum	27	22	30	31	26	44	46	65	38	37	33	52	56	36	36	35	41	44	45	49	54	34	34	38	23	30	30	31	....	....	....	38.1
	Minimum	23	15	14	12	18	19	16	18	37	23	12	12	26	26	23	22	11	12	28	29	34	24	22	22	14	14	17	2	....	....	....	19.5
Freeland	Maximum	36	27	24	24	29	32	35	32	47	34	29	44	57	44	29	29	35	32	50	40	50	50	36	34	30	25	30	28	....	....	....	35.4
	Minimum	22	16	8	5	19	13	20	25	30	23	9	20	37	27	20	23	13	21	25	25	32	22	19	17	15	7	22	9	....	....	....	19.4
Gettysburg	Maximum	46	42	35	31	36	37	42	37	46	44	34	51	55	50	51	48	49	39	48	44	54	56	45	43	38	35	39	34	....	....	....	43.2
	Minimum	35	21	18	16	25	15	27	31	35	27	16	25	28	38	28	29	20	18	30	26	35	32	26	28	22	17	30	18	....	....	....	25.6
Greensburg	Maximum	44	27	27	37	33	41	40	73	69	34	32	52	56	54	43	40	39	42	51	56	57	57	36	40	35	28	32	33	....	....	....	43.1
	Minimum	25	15	14	17	15	14	23	34	34	21	13	26	34	27	20	29	11	20	35	35	31	25	25	20	14	14	26	10	....	....	....	22.4
Grove City	Maximum	44	21	25	30	30	41	39	68	65	27	37	49	54	53	47	40	40	40	48	49	51	37	31	34	25	25	26	32	....	....	....	39.4
	Minimum	19	16	9	20	15	20	22	33	27	8	19	26	34	24	21	24	13	24	33	34	37	22	25	22	14	14	20	16	....	....	....	21.8
Hamburg	Maximum	40	36	32	30	34	37	38	40	46	47	34	43	45	45	46	39	38	38	42	45	56	57	38	38	35	32	32	30	....	....	....	39.8
	Minimum	31	23	15	11	25	22	26	31	34	29	17	19	30	33	27	29	22	22	22	26	36	31	25	27	23	15	30	17	....	....	....	24.9
Harrisburg*	Maximum	43	28	31	31	35	37	39	37	47	37	33	50	54	47	48	38	43	38	48	40	58	38	41	41	34	35	35	32	....	....	....	39.9
	Minimum	24	23	18	17	25	20	31	32	36	21	18	27	31	30	29	29	24	26	30	32	35	32	29	29	19	18	28	19	....	....	....	26.1
Hawley	Maximum	34	29	23	30	30	34	30	31	39	36	28	47	57	50	34	34	36	35	51	45	43	49	36	37	33	31	31	31	....	....	....	36.6
	Minimum	24	14	7	1	20	21	15	24	29	22	10	9	27	31	22	25	12	11	14	18	31	29	16	13	16	11	25	7	....	....	....	18.0
Holtwood*	Maximum	44	29	30	30	36	38	39	39	44	35	31	50	52	46	48	37	37	39	50	41	52	37	46	44	36	36	37	32	....	....	....	39.8
	Minimum	28	24	20	19	28	22	28	34	35	25	20	25	28	33	31	28	26	23	27	28	36	30	29	33	21	20	29	19	....	....	....	26.8
Huntingdon	Maximum	34	24	24	29	29	39	44	41	44	34	35	55	61	51	45	39	42	43	50	42	56	57	38	41	33	33	33	36	....	....	....	40.4
	Minimum	24	20	15	9	21	12	22	32	33	26	16	28	17	26	26	25	14	16	27	23	36	28	16	15	17	17	29	10	....	....	....	21.4
Johnstown	Maximum	44	29	31	33	31	45	43	60	54	35	33	53	58	45	59	38	42	41	45	44	54	36	37	41	32	30	31	35	....	....	....	41.4
	Minimum	26	16	15	15	16	17	25	35	33	22	13	28	29	30	23	24	12	21	34	31	36	25	26	20	15	13	26	8	....	....	....	22.6
Lancaster	Maximum	44	42	35	32	36	40	41	38	43	45	34	54	56	44	52	49	43	40	49	48	57	56	46	46	42	37	40	35	....	....	....	43.7
	Minimum	32	23	17	12	23	11	21	32	36	28	17	20	21	33	29	28	12	15	20	22	36	31	22	28	22	18	30	15	....	....	....	23.4
Lawrenceville	Maximum	39	26	26	27	35	38	37	41	44	35	29	53	58	50	36	34	42	39	52	49	55	58	38	37	34	36	32	33	....	....	....	39.8
	Minimum	21	18	9	6	20	23	13	27	32	23	9	21	25	30	23	22	13	16	17	21	33	23	4	3	16	3	22	−3	....	....	....	17.5
Lebanon‡	Maximum	41	31	31	30	36	39	41	38	44	36	37	52	58	47	46	33	42	39	51	41	57	39	43	43	32	34	37	34	....	....	....	40.4
	Minimum	31	22	16	15	19	18	19	30	33	28	16	19	26	32	27	31	22	22	24	27	32	30	25	27	28	16	25	15	....	....	....	24.1
Marcus Hook*	Maximum	44	36	37	36	45	47	45	54	55	41	48	54	54	53	52	43	43	51	49	62	60	49	49	43	37	42	46	45	....	....	....	47.1
	Minimum	27	21	19	29	27	35	35	40	35	21	29	36	41	31	30	25	30	30	31	41	36	34	34	30	20	33	21	23	....	....	....	30.1
Meadville	Maximum	44	22	26	30	29	41	41	63	65	29	32	52	55	53	32	32	37	38	52	48	56	53	32	35	32	28	27	29	....	....	....	39.8
	Minimum	20	14	14	12	18	20	15	33	26	16	10	27	34	25	22	21	12	26	34	33	38	22	20	24	12	14	22	−3	....	....	....	20.8
Montrose	Maximum	36	22	18	25	30	30	28	33	44	31	21	45	55	44	31	30	31	33	49	42	47	49	35	34	28	27	25	27	....	....	....	33.9
	Minimum	21	10	5	6	18	17	14	20	30	20	8	18	33	27	20	21	9	16	23	29	33	22	14	17	15	4	17	4	....	....	....	17.5
Mount Pocono	Maximum	32	32	21	27	25	30	31	32	45	37	23	41	55	45	34	30	32	32	47	40	47	35	35	33	26	25	26	28	....	....	....	33.8
	Minimum	22	12	7	5	18	16	19	24	28	13	9	15	30	20	20	24	14	14	22	26	32	20	17	20	10	7	12	8	....	....	....	17.3
Philadelphia*	Maximum	44	32	36	33	35	39	43	41	54	42	33	48	55	51	50	41	44	40	50	46	60	56	47	43	34	37	38	33	....	....	....	43.0
	Minimum	30	22	20	20	29	28	33	34	39	26	20	27	36	32	30	30	25	30	33	34	40	32	31	33	21	20	26	22	....	....	....	28.7
Pittsburgh*	Maximum	34	21	26	32	29	40	40	72	56	26	32	50	56	51	40	35	35	41	47	54	57	33	35	38	24	28	31	31	....	....	....	39.1
	Minimum	20	15	14	20	13	17	23	40	26	16	13	26	36	23	25	20	16	26	35	36	30	23	23	23	12	15	20	14	....	....	....	22.1
Quakertown	Maximum	40	36	31	29	33	36	40	37	46	47	32	47	56	48	43	39	41	38	48	44	58	55	44	42	36	35	37	34	....	....	....	41.1
	Minimum	32	23	10	12	25	20	21	30	34	28	17	19	28	36	26	28	19	17	18	21	32	34	22	28	24	14	29	15	....	....	....	23.6
Reading*	Maximum	40	30	33	32	37	40	42	40	47	37	32	53	62	52	45	38	44	39	53	43	57	40	48	42	36	35	37	35	....	....	....	41.8
	Minimum	26	22	17	17	26	24	31	32	37	23	19	28	38	31	29	30	24	26	28	30	38	31	30	31	19	17	25	19	....	....	....	26.7
Ridgway‡	Maximum	30	25	31	30	27	41	38	58	46	37	33	50	53	34	30	33	42	43	44	46	55	34	32	35	21	31	30	34	....	....	....	37.2
	Minimum	26	16	3	4	12	20	11	14	37	22	10	13	20	22	21	19	2	4	30	26	34	23	7	9	14	13	19	−7	....	....	....	15.7
Scranton*	Maximum	36	26	23	32	32	37	33	41	46	32	29	50	59	49	38	35	37	40	53	47	56	54	37	39	31	33	31	28	....	....	....	38.6
	Minimum	24	15	12	12	25	24	24	29	32	18	16	23	37	29	25	21	16	19	23	28	38	25	23	25	16	13	18	13	....	....	....	22.2
Selinsgrove	Maximum	34	36	33	28	34	35	36	38	42	44	48	52	58	53	37	37	44	42	51	50	57	49	32	40	37	33	35	33	....	....	....	41.0
	Minimum	26	22	14	11	24	20	28	31	28	11	18	16	29	33	26	27	25	32	31	35	36	20	15	13	18	13	19	14	....	....	....	22.7
Somerset	Maximum	42	26	23	29	27	38	38	66	61	31	28	45	50	48	36	33	37	43	37	39	51	51	29	35	30	23	25	31	....	....	....	37.6
	Minimum	21	11	7	8	11	12	18	32	31	19	8	23	23	26	20	27	−6	7	32	29	35	20	23	11	11	8	21	−12	....	....	....	17.0
State College	Maximum	41	32	28	32	27	36	40	41	47	31	30	52	56	42	37	36	41	38	46	40	56	55	36	38	29	33	30	32	....	....	....	38.6
	Minimum	21	16	10	9	20	16	18	31	31	22	12	22	31	26	21	23	12	20	28	31	34	23	21	12	18	11	24	6	....	....	....	20.3
Stroudsburg‡	Maximum	40	30	29	30	33	37	40	35	44	37	32	42	63	48	40	35	41	38	55	45	54	40	44	41	38	38	33	34	....	....	....	39.9
	Minimum	23	24	[illegible]	8	9	24	25	18	31	28	16	14	19	30	26	29	17	17	18	21	30	32	20	20	20	15	11	10	....	....	....	20.3
Towanda	Maximum	40	25	23	30	35	35	34	41	48	34	31	50	58	48	40	34	38	39	50	45	60	55	37	39	31	35	33	30	....	....	....	39.2
	Minimum	22	16	12	10	20	24	19	28	32	18	13	22	27	29	26	22	17	17	17	24	37	19	8	11	14	9	15	7	....	....	....	19.1
Uniontown	Maximum	46	31	28	39	33	43	40	73	67	35	31	47	59	53	41	41	39	41	58	55	57	55	37	40	33	30	30	30	....	....	....	43.3
	Minimum	25	18	16	19	16	14	26	40	35	25	15	29	32	30	27	31	15	27	38	39	46	27	30	22	15	14	26	13	....	....	....	25.4
Vandergrift*	Maximum	35	26	29	34	32	43	41	73	58	30	34	54	56	57	44	40	37	44	48	55	58	37	38	40	29	38	33	35	....	....	....	42.1
	Minimum	21	17	15	16	17	19	23	39	29	16	15	28	27	27	29	21	13	21	33	32	34	27	27	25	16	27	20	11	....	....	....	23.0
Warren	Maximum	48	34	25	30	30	35	38	62	62	34	24	45	50	45	30	33	32	40	44	44	54	53	34	32	38	30	32	30	....	....	....	38.9
	Minimum	26	19	15	12	26	26	28	32	30	20	16	24	31	29	27	29	13	30	37	32	40	28	26	24	19	20	24	6	....	....	....	24.6
Waynesburg	Maximum	48	30	30	35	32	45	42	75	72	35	35	54	58	53	40	39	38	39	56	54	65	43	35	39	35	27	30	35	....	....	....	43.5
	Minimum	24	16	16	19	14	18	24	34	33	22	14	30	27	29	26	31	13	19	36	33	42	25	28	22	13	13	25	12	....	....	....	23.5
Wellsboro	Maximum	38	23	22	29	30	34	35	36	45	31	28	50	56	43	33	33	36	38	47	40	53	53	37	36	27	31	28	26	....	....	....	36.4
	Minimum	19	15	7	5	16	19	12	28	31	17	10	14	18	27	22	22	11	15	15	23	33	20	12	7	9	10	18	−1	....	....	....	16.2
Williamsport	Maximum	37	33	27	28	34	37	38	37	42	38	32	54	54	50	37	34	42	38	50	44	55	55	37	38	32	32	35	34	....	....	....	39.4
	Minimum	27	22	13	10	23	25	22	32	36	27	15	18	25	34	27	29	20	21	20	20	35	27	15	12	20	13	28	10	....	....	....	22.4
Williamstown	Maximum	37	34	28	28	34	33	38	36	47	43	29	49	61	58	52	42	42	41	52	48	52	52	43	37	34	29	34	36	....	....	....	41.0
	Minimum	24	17	10	9	20	17	26	27	31	22	11	23	34	30	21	26	16	23	25	29	30	29	22	19	18	10	16	11	....	....	....	21.3
York	Maximum	44	41	32	32	35	40	40	41	46	45	32	53	59	53	50	47	39	42	44	48	56	56	48	45	38	36	40	34	....	....	....	43.4
	Minimum	33	23	17	12	25	11	24	32	36	28	18	23	25	37	29	30	14	14	23	23	36	31	25	30	23	18	31	17	....	....	....	24.6

* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XLII. MARCH, 1937. No. 3

GENERAL SUMMARY.

The first week of March was fair and mild, to remind one of the proverbial lamb, but changed thereafter to cold and stormy weather, and during the remainder of the month the temperatures were mostly below the normal. The monthly average for the State was 2.5° below that for January. With one exception, it was the coldest March of the last ten years. Temperatures moderated quickly near the close of the month. The precipitation was only four-sevenths of the March average, yet occurred on an average of ten dates. In the nine days, from the 13th to the 21st inclusive, there were several stations that recorded precipitation on every date. The low temperatures caused a larger portion than usual to come in the form of snow, which exceeded the March normal. It was nearly double that of January, and only a little less than that for January and February combined. The heaviest snowfalls occurred in the eastern half of the State. There seemed to be less drifting than usual, despite the large wind movement, and the main highways were kept open to traffic, excepting a few unfavorable localities. Icy conditions caused some delays on three or four dates, but seldom for two dates in succession. The snows melted quickly in the southeastern portion of the State, where fields were snow-covered from five to eight days. However, the frost did not penetrate the soil deeply, and the winter grains suffered less from frost damage than they did from the excessive rains of January. At the end of the month the grains were mostly in fair to good condition, a little backward, with considerable spottiness on poorly drained lands. Plowing was done intermittently through the month, especially in the southeastern counties, and frost did not seriously interfere with road grading in that portion of the State. There was enough blustery and disagreeable weather to cause considerable slowing up of most kinds of outdoor work, which really made less progress than it did in February. The surface water supply was ample for all needs, and melting snows kept the top soil wet and muddy much of the time, despite the general shortage of precipitation.

TEMPERATURE.

The mean temperature for the State, as compiled from the observations made at 88 stations, was 34.2°, which is 3.4° below the 50-year average for March. The highest recorded at any station was 67°, at Claysville and Waynesburg on the 20th, while the lowest, —3°, occurred at Lawrenceville on the 1st. The greatest daily range in temperature was 47°, at Lawrenceville on the 1st.

PRECIPITATION.

The average precipitation, from rain, sleet and melted snow, for the State, as shown by reports from 146 stations, was 2.00 inches, or a deficiency of 1.50 inches as compared with the 50-year March normal. The greatest amount recorded at any station was 3.84 inches at Pleasant Mount, and the least was 0.84 at Ansonia. The greatest amount recorded in any 24 consecutive hours was 1.68 inches at Catawissa on the 20th. Snowfall for the State averaged 8.3 inches, compared with a normal of 7.7 inches. The greatest monthly snowfall was 22.0 inches at Hollisterville, and the greatest 24-hour snowfall was 12.8 inches at Pleasantville on the 17th.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	31.2	72	−6	3.55	9.9	11	6	10	13
1889	39.0	76	4	2.90	3.1	9	10	8	15
1890	33.2	76	−21	5.15	17.5	16	6	10	15
1891	33.8	60	−14	5.10	15.8	14	7	8	16
1892	31.8	66	−4	4.14	18.8	12	11	7	13
1893	34.8	74	3	2.52	4.8	11	9	9	13
1894	43.2	84	−2	1.63	1.3	8	12	11	8
1895	33.8	70	−4	2.31	9.0	11	10	10	11
1896	30.6	69	−18	4.51	21.1	11	11	8	12
1897	39.0	75	−5	3.22	3.4	13	11	7	13
1898	44.0	83	4	4.31	3.6	12	10	8	13
1899	36.3	75	3	4.87	7.9	14	5	9	17
1900	31.2	66	−23	3.61	13.1	10	10	9	12
1901	37.4	80	−11	4.14	3.3	13	7	10	14
1902	41.3	78	2	3.98	12.6	11	10	9	12
1903	46.4	83	14	4.52	0.1	11	10	7	14
1904	36.0	80	−2	4.29	4.7	12	9	8	14
1905	39.0	86	−18	3.86	4.1	11	12	8	11
1906	31.7	68	−13	4.46	20.4	14	8	7	16
1907	41.8	92	−10	4.26	9.3	12	11	8	12
1908	40.7	83	−4	4.76	3.7	12	11	8	12
1909	35.6	74	−5	3.07	7.3	12	10	9	12
1910	44.9	88	5	0.56	1.0	5	15	10	6
1911	35.0	73	−18	2.57	10.1	13	11	8	12
1912	33.6	72	−8	5.05	6.9	13	10	8	13
1913	42.1	81	−7	5.27	2.1	13	9	8	14
1914	34.2	79	−12	2.61	13.4	10	10	8	13
1915	32.9	62	−4	1.28	9.5	7	15	8	8
1916	30.7	84	−31	4.12	17.6	12	12	8	11
1917	37.3	84	−12	3.68	12.7	14	11	8	12
1918	41.6	82	0	2.34	1.5	8	17	7	7
1919	41.1	79	6	3.57	2.4	10	15	7	9
1920	38.7	80	−11	2.83	6.4	9	16	7	8
1921	48.0	88	7	3.33	1.0	14	12	9	10
1922	40.0	81	−5	4.37	6.1	14	11	6	14
1923	37.0	80	−8	2.49	6.2	11	13	8	10
1924	36.1	78	3	2.83	10.3	9	12	9	10
1925	40.9	79	−15	2.56	2.2	10	14	6	11
1926	33.1	79	−16	1.91	4.0	10	14	8	9
1927	42.0	82	−6	2.61	0.7	10	13	7	11
1928	37.0	82	−3	3.24	14.5	11	12	9	10
1929	43.7	89	−5	2.69	4.4	12	12	8	11
1930	37.9	78	−9	3.03	4.9	10	13	7	11
1931	36.3	69	10	2.96	6.6	11	8	7	16
1932	33.4	72	−8	4.41	14.7	11	10	8	13
1933	36.6	79	−7	5.33	5.6	14	8	7	16
1934	34.9	78	−22	2.96	7.7	12	12	7	12
1935	42.8	83	−6	2.62	2.9	12	11	7	13
1936	42.6	84	−3	6.84	7.4	15	9	7	15
1937	34.2	67	−3	2.00	8.3	10	11	8	12
Period	37.6	92	−31	3.50	7.7	11	11	8	12

Climatological Data for March, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	35.6	−2.6	61	4	18	10	31	2.36	−1.04	0.85	10.7	12	14	16	1	nw.	John A. Frick.
Altoona	Blair	1,615	50	33.5	−4.0	68	4	10	10	27	2.06	−1.22	0.62	5.6	7	11	9	11	w.	John J. Martin.
Ardmore,	Montgomery	350	17	36.1	−6.1	61	4	17	10	30	2.71	−1.20	0.90	9.7	11	11	10	10	.....	H. L. Balderston.
Arendtsville	Adams	700	15	36.2	−3.1	63	4†	14	10	36	1.42	−2.19	0.69	......	8	19	5	7	w.	Dr. S. W. Frost.
Bedford	Bedford	1,060	5	36.1	....	62	26	12	1	33	1.42	....	0.75	9.0	6	14	3	14	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	36.0	−4.5	61	4	16	10	27	2.12	−1.12	0.54	10.6	12	13	4	14	nw.	Lehigh University.
Carlisle	Cumberland	467	71	39.0	+0.4	64	4	15	10	38	1.61	−1.70	0.53	13.0	7	20	6	5	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	41	35.6^{a}	−2.9	53^{a}	30	18^{a}	1†	27^{a}	3.12	−0.17	1.68	6.5	6	12	9	10	......	W. L. Gearhart.
Center Hall	Center	1,272	41	34.2	−2.2	56	4	10	10	27	1.24	−1.79	0.42	5.5	6	14	10	7	......	Edward E. Bailey.
Chambersburg	Franklin	680	38	38.6	−1.1	65	4	16	1†	35	1.62	−1.65	0.45	8.5	7	10	10	11	nw.	William B. Spear.
Clearfield	Clearfield	1,120	30	32.4	−4.9	58	29†	8	1†	34	2.19	−1.49	0.65	8.0	9	10	9	12	w.	E. W. Hess.
Coatesville	Chester	380	50	36.2	−3.7	62	4	16	1	34	1.59	−2.43	0.68	10.2	9	8	6	17	nw	Howard L. Pyle.
Colebrook	Lebanon	560	26	33.8	−5.2	61	4	9	1	34	1.78	−2.05	1.10	12.9	10	15	7	9	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	31.2	−4.1	64	4	4	1†	36	1.18	−2.56	0.28	2.5	10	13	7	11	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	38.0	−2.0	63	4	16	1	32	1.60	−1.73	0.54	6.9	8	11	6	14	nw.	Ira J. Keath
Freeland	Luzerne	1,970	44	29.8	−4.1	53	4	8	10	25	2.31	−2.06	0.50	14.9	13	8	2	21	w.	Andrew B. Evansha
George School	Bucks	190	31	36.7	−3.9	62	4	16	1	32	2.88	−0.80	0.73	5.2	14	15	3	13	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	39.4	−0.8	65	4	16	10	32	1.52	−2.00	0.45	8.0	8	14	7	10	w.	Dr Henry Stewart
Gordon	Schuylkill	840	33	33.8	−3.0	59	4	5	1	35	1.87	−2.02	0.62	16.0	10	14	7	10	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,876	22	25.5	−4.6	51	4	0	10	32	2.40	−1.36	0.70	18.5	9	13	7	11	nw.	Ronald H. Marshall.
Hamburg	Berks	535	44	35.3	−3.1	58	5	15	10	25	1.70	−2.17	0.32	6.2	9	16	9	6	sw.	State Sanatorium.
Hanover	York	600	33	39.1	−3.2	65	4	16	1†	30	1.67	−1.64	0.46	8.7	9	17	7	7	w.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	37.6	−1.3	62	4	18	10	27	1.45	−1.59	0.62	9.6	8	10	10	11	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	19	28.2	−6.6	56	4	6	1	37	3.20	+0.30	0.96	15.3	15	14	8	9	nw.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	38.3	−3.0	62	4	21	1†	29	1.54	−1.48	0.55	10.0	8	16	6	9	nw.	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	35.6^{a}	−3.2	62^{a}	4	10^{a}	1	37^{a}	2.09	−1.37	0.53	7.2	8	7	12	12	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	38.0	−2.3	65	4	11	1	41	1.01	−2.25	0.45	7.0	4	16	9	6	......	Glenn R. Shaffer.
Kyiertown	Clearfield	1,637	6	30.3	....	52	4	8	10	28	1.29	....	0.40	......	10	6	10	15	......	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	37.5	−2.1	66	4	13	1	40	1.43	−1.89	0.51	7.3	9	16	8	7	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	40	29.8	−4.9	66	4	−3	1	47	1.38	−0.92	0.30	11.0	8	6	13	12	......	C. P. Darling.
Lebanon	Lebanon	469	53	36.0	−3.3	62	4	15	1	32	1.76	−1.72	0.63	10.1	8	19	4	8	nw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	36.2	−2.3	58	4	11	1	31	1.49	−1.88	0.29	5.0	9	8	14	9	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	42.6	−1.7	61	3†	23	9	27	2.23	−1.51	......	7.0	10	17	4	10	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	38.0	−1.1	64	3	15	1	38	2.08	−0.98	0.78	6.9	7	15	10	6	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	27.4	−4.6	51	4	6	10	26	3.30	−0.26	0.66	21.0	16	10	1	20	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	30.4	−4.8	52	31	2	1	37	1.42	−1.61	0.37	7.0	9	14	5	12	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	......	....	62	4	12	1	38	2.99	−0.76	1.03	7.0	13	13	4	14	sw.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	33.4	−3.9	59	4	13	1	31	1.69	−1.46	0.53	8.4	10	12	10	9	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	38.7	−2.1	61	4	21	10	25	2.98	−0.41	0.93	7.8	18	11	10	10	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	37.2	−3.8	65	4	12	11	41	2.33	−1.31	0.79	8.5	9	8	18	5	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	34.7	−2.7	62	4	14	12	33	2.41	−1.39	0.58	8.8	11	13	9	9	w.	John E. Benner.
Reading	Berks	273	67	37.4	−2.6	64	4	20	10	26	2.43	−1.09	0.89	11.1	12	9	14	8	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	32.8	....	56	4	8	1	33	2.65	....	0.65	11.5	12	11	12	8	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	31.4	−4.3	54	4	12	1	28	2.18	−1.02	0.78	9.1	13	8	7	16	nw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	47	35.4	−3.4	59	4	9	1	29	3.57	+0.05	1.00	7.2	12	9	12	10	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	37.2	−5.4	61	4	18	1	32	2.33	−1.14	0.64	10.0	12	10	8	13	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	37.8	....	62	4	16	10	31	1.56	....	0.42	10.6	7	12	7	12	w.	State Teachers College
State College	Center	1,217	53	33.8	−2.3	56	4	12	10	30	1.74	−1.60	0.52	5.2	9	7	15	9	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	32.7	−3.5	60	4	10	1	35	2.71	−0.80	0.74	9.6	12	14	2	15	nw.	State Normal School.
Towanda	Bradford	754	43	30.4	−4.6	57	4	3	1	39	1.68	−0.91	0.49	11.0	15	8	6	17	nw.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	28.2	−4.7	53	4	0	1	38	0.97	−1.69	0.42	6.6	8	17	10	4	nw.	George W. Hill.
West Chester	Chester	455	88	37.0	−2.1	63	4	16	1†	31	2.36	−1.47	0.76	12.2	12	10	12	9	nw.	Harlan Saylor.
Williamsport	Lycoming	521	51	34.4	−3.1	66	4	10	1	30	1.32	−1.90	0.42	5.0	9	13	5	13	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	34.8	−4.2	59	6	10	10	32	1.74	−1.53	0.47	12.0	7	13	6	12	sw.	Susquehanna Collieries Co.
York	York	400	49	37.6^{a}	−3.0	65	4	12	1	37^{a}	1.33	−1.78	0.53	11.0	9	14	11	6	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	29.8^{a}	−3.7	58^{a}	4	4^{a}	1	36^{a}	2.10	−1.16	0.41	5.4	13	12	7	12	......	Frank S. Fawcett.
Butler	Butler	1,077	24	33.6	−4.1	66	4†	7	11	32	2.44	−1.00	0.68	6.6	7	14	8	9	w.	William C. Faust.
Chambersville	Indiana	1,047	36	32.8	−5.9	56	24	6	11	35	1.92	−1.83	0.50	8.2	11	12	4	16	w.	John E. Lewis.
Clairton	Allegheny	1,020	5	34.6	....	61	20†	10	10	29	1.53	....	0.58	7.9	10	9	2	20	w.	Carnegie Steel Co.
Claysville	Washington	1,150	32	36.0	−5.0	67	20	9	10†	35	1.56	−1.77	0.45	7.7	10	16	4	11	n.	J. L. Melvin.
Corry	Erie	1,430	24	29.4	−3.3	61	31	7	10†	34	1.43	−2.38	0.37	7.5	15	13	5	13	nw.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	40	35.2	−4.6	59	20†	10^{c}	11	33	2.18	−1.68	0.55	5.1	11	12	3	16	w.	Ted R. Wineman.
Donora	Washington	762	11	38.6	−3.1	66	20	16	10	33	1.40	−2.14	0.47	4.6	8	10	13	8	nw.	Donora Zinc Works.
Ebensburg	Cambria	2,000	20	31.2	−4.7	58	4	6	10	29	2.77	−0.87	0.42	8.0	12	15	5	11	w.	D. H. Jones.
Elk Lick‡‡	Somerset	2,680	20	......	....	......	......	......	......	......	......	....	......	......	....	....	....	....	......	J. S. Stevanus.
Franklin	Venango	957	63	30.5	−5.0	52	4†	5	1	35	1.94	−1.41	0.64	4.5	9	2	7	22	n.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	35.4^{c}	−4.5	61	24	11	10	32	2.24	−1.18	0.46	10.0	15	9	8	14	w	Westmoreland Water Co.
Greenville	Mercer	950	41	33.5	−2.9	54	20	12^{c}	1†	33^{c}	2.03	−1.34	0.45	4.1	13	10	4	17	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	32.5	−4.8	54	20	8	10	29	1.80	−1.52	0.48	1.7	10	11	8	12	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	34.8	−5.0	62	24	10	10	38	1.97	−1.25	0.40	5.5	13	20	8	3	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	36.2	−2.9	59	4†	12	10	30	2.73	−1.77	0.60	6.0	15	10	10	11	n.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	5	28.7	....	48	31	−1	11	32	1.80	....	0.42	9.5	12	13	3	15	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	45	33.9	−5.7	61	25	10	10	29	2.50	−1.43	0.60	12.5	12	7	12	12	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	31.3	−3.6	53	20	8	10†	28	1.71	−1.67	0.50	4.2	14	9	3	19	w.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	35.2	....	62	20	14	10†	27	1.69	....	0.43	4.5	10	10	5	16	n.	Perry P. Campbell
New Castle	Lawrence	808	67	32.6	−4.2	59	21	10	10	30	2.93	−0.11	1.39	5.1	14	5	13	13	n.	New Castle Water Co
Newell	Fayette	800	17	35.8	−5.6	62	25	12	10	33	2.00	−1.11	0.70	5.0	5	13	9	9	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	34.4	−5.2	62	20	9	10	27	2.09	−0.94	0.75	8.4	12	8	9	14	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	29.0	−4.8	52	4†	2	1	37	1.27	−1.98	0.35	2.3	8	8	4	19	s.	West Penn. Power Co.
Sharon ‡‡	Mercer	940	24	34.0	−3.5	53	20†	14	10	25	2.34	−0.42	0.81	4.2	11	8	9	14	s.	Harry H. Gerber.
Somerset	Somerset,	2,190	70	30.8	−5.0	54	24	−1	1	32	2.26	−2.46	0.42	11.7	15	7	8	16	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	37.8	−3.5	66	24	12	10	32	1.91	−2.08	0.35	6.2	13	12	6	13	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	36.1	−3.8	61	4†	10	11	32	1.32	−2.20	0.50	......	7	18	12	1	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	48	30.0	−4.4	60	4	8	10	24	2.10	−1.22	0.42	11.5	11	9	2	20	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	37.0	....	67	20	11	10	34	1.73	....	0.47	5.0	7	4	17	10	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	30.4	−3.1	49	4	14	11	26	1.23	−1.39	0.30	5.4	14	9	4	18	w.	U. S. Weatber Bureau.
For the State	....	......	50	34.2	−3.4	67	20	−3	1	47	2.00	−1.50	1.68	8.3	10	11	8	12	nw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Elk Lick, Grantsville, Md; of Lycippus, Greensburg; of Neshaminy, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-4-23-37-1050.

Daily Precipitation for March, 1937

Stations	Drainage Basin	Day of month																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh	...	...	...	...	.05	...	...	...	.02	T.	.01	.01	.02	.01	.54	.85	...	...	.09	...	.52	...	...	...	.11	.13	...	...	...	...	...	2.36
Altoona	Juniata	...	...	...	T.	.19	...	...	T.	.05	T.	T.	...	...	.40	.10	...	...	T.	...	.33	.62	...	...	...	.37	T.	...	...	...	...	...	2.06
Ausouia‖	W. Br. Susq	...	...	T.	...	.10	...	...	...	...	T.	...	...	...	...	.18	.13	...	...	.01	.05	.17	...	...	...	.11	.05	...	...	T.	...	...	0.80
Ardmore	Lower Del	...	...	...	...	...	...	...	.41	...	.01	.09	...	.02	.48	.90	.02	T	.16	...	.33	.07	...	...	...	.22	...	...	...	...	...	...	2.71
Arendtsville	Lower Susq	...	...	...	...	...	...	...	T.	...	.04	...	...	.01	.02	.59	.11	...	...	...	...	.28	...	...	...	.10	.27	...	...	...	...	...	1.42
Baker's Summit	Juniata	...	...	...	.11	...	...	...	...	...	...	...	...	...	.42	.22	...	...	...	...	.34	...	.21	...	...	.76	...	...	...	...	...	...	2.06
Bedford	Juniata	...	...	...	...	...	...	...	T.	T.	...	T	...	T.	.48	.27	.10	...	T.	...	.31	.08	...	...	...	.15	T.	T.	T.	...	...	...	1.42
Bellefonte	W. Br. Susq	...	...	...	T.	T.	...	...	T.	T.	T.	...	...	...	.15	.28	T.	...	T.	T.	.36	.12	...	...	...	.32	T.	T.	T.	T.	...	...	1.23
Bethlehem	Lehigh	...	...	...	...	.09	...	...	.02	T.	...	.03	...	.06	.14	.41	.48	...	.07	T.	.06	.54	...	...	...	.21	.01	...	...	...	...	...	2.12
Big Knob	Middle Susq	...	...	...	...	...	...	...	...	.01	...	T.	...	...	.06	.72	.21	...	...	...	...	.41	...	...	...	.09	.40	...	...	...	...	...	1.90
Bloserville‡‡	Lower Susq	...	...	...	...	...	...	...	...	...	...	.03	...	...	...	.30	.20	T.	...	...	.51	...	...	...	...	.35	...	...	...	...	...	...	1.39
Buffalo Mills‖	Juniata	...	...	...	...	...	...	...	...	...	...	...	...	...	.04	.80	...	.07	...	...	.10	.32	...	...	...	.10	...	...	...	...	...	...	1.43
Carlisle	Lower Susq	...	...	...	T.	...	...	...	...	T.	...	.08	...	...	.34	.53	.13	T	...	...	.10	.15	...	...	...	.28	T.	T	T.	...	...	...	1.61
Catawissa	N. Br. Susq	...	...	...	...	...	...	...	...	T.	...	...	...	...	.42	.35	...	...	.30	.22	1.68	...	...	...	...	.15	T.	...	...	...	...	...	3.12
Center Hall	Susquehanna	...	...	...	.01	...	...	...	...	...	...	...	...	...	.22	.36	...	...	.01	...	...	.22	...	...	...	.42	...	...	...	...	...	...	1.24
Chambersburg	Potomac	...	...	...	...	...	...	...	...	T.	T.	.10	...	...	.45	.17	.09	...	...	...	.30	.13	...	...	...	.38	...	...	...	...	...	...	1.62
Clearfield	W. Br. Susq	...	...	...	.02	.16	T.	...	T.	T	...	...	...	...	.19	.44	T.	T.	.07	T.	.65	.30	...	...	.05	.31	T.	T.	T.	...	...	...	2.19
Coatesville	Lower Del	...	...	...	...	.06	...	...	.01	T.	...	.04	...	.05	.38	.68	...	...	.11	T.	.07	...	...	...	...	.19	...	...	T	...	...	...	1.59
Colebrook	Lower Susq	...	...	...	.01	...	...	...	T.	T.	...	.07	...	.01	*	*	1.10	...	.02	...	.17	.08	...	...	T.	.32	T.	...	...	...	...	...	1.78
Conshohocken	Schuylkill	...	...	...	...	...	...	...	.43	.02	...	.30	...	.06	.14	.66	.52	T	.13	...	T.	.36	...	...	...	.12	...	...	...	...	...	...	2.74
Doylestown	Lower Del	...	...	...	...	.01	...	...	.16	...	...	.03	...	.04	.24	.50	.38	...	.10	T.	T.	.24	...	...	...	.39	...	...	...	...	...	...	2.09
Emporium	W. Br. Susq	...	...	...	.04	.12	.01	...	...	...	...	...	...	...	.04	.19	T.	...	.02	.03	.28	.27	...	...	...	.18	...	...	...	...	...	...	1.18
Ephrata	Lower Susq	...	...	...	...	T.	...	...	T.	T.	...	.02	...	.01	.30	.54	.18	...	.06	...	T.	.25	...	...	...	.24	T.	...	...	T.	...	...	1.60
Forest City	N. Br. Susq	...	...	...	...	.23	T.	.10	...	...	...	...	...	.03	.04	.35	.28	.12	...	.06	...	.94	...	...	...	.15	...	22	...	...	...	...	2.52
Freeland‖	Lehigh	...	...	...	...	.23	T	T	...	.04	.14	.03	T.	.08	.01	.50	.31	.03	...	.14	T.	.40	...	...	...	.03	.33	T.	T.	T.	...	...	2.31
Galeton	N. Br. Suso	...	T.	...	.06	.06	.03	...	T.	T.	T.	...	...	T.	.05	.30	.06	...	.02	.04	.37	02	...	...	...	.25	T.	...	...	...	...	...	1.26
George School	Lower Del	...	...	...	...	.03	.01	...	.40	T.	...	.04	...	.07	.15	.69	.73	.02	.12	T.	.03	.30	.01	...	...	.28	...	T.	...	...	...	...	2.88
Gettysburg	Potomac	...	...	...	...	T.	...	...	T.	T.	...	.05	...	.01	.39	.45	.15	...	...	...	.10	.23	...	...	...	.14	T.	...	...	...	...	...	1.52
Girardville‖	Lower Susq	...	...	...	.14	...	...	...	T.	.07	.03	.03	.04	.02	.66	.54	.04	...	.25	T.	.44	...	...	...	.09	.27	T.	T.	...	...	...	...	2.62
Gordon	Lower Susq	...	...	...	...	.18	...	...	...	...	...	.02	...	.02	.12	.62	.11	...	.14	...	.16	.18	...	...	...	.32	T.	...	...	...	...	...	1.87
Gouldsboro‖	Lehigh	...	...	...	.20	...	...	...	...	.20	...	...	...	.10	.70	.60	.20	...	.05	...	.20	...	...	...	...	.15	...	...	...	...	...	...	2.40
Graterford	Schuylkill	...	...	...	...	.06	...	...	.03	.09	...	.17	...	...	.21	.36	.42	...	T.	...	...	.54	...	...	...	.46	...	...	...	...	...	...	2.34
Hamburg	Schuylkill	...	...	...	...	...	...	...	...	...	...	.01	...	.02	.22	.32	.14	...	.10	...	.24	.29	...	...	...	.36	T.	...	...	...	...	...	1.70
Hanover	Lower Susq	...	...	...	...	T.	...	...	T.	T.	T.	.07	T.	.02	.40	.45	.28	T.	.01	...	.08	.24	...	...	...	.12	T.	T.	...	...	...	...	1.67
Harrisburg***	Lower Susq	...	...	...	.01	...	...	...	T.	T.	.06	.02	...	T.	.48	.37	T.	...	T.	...	.24	.02	...	...	T.	.25	T.	...	T.	...	...	...	1.45
Hawley‖	Upper Del	...	...	...	...	.21	.05	.04	...	.01	.02	...	...	.07	...	.43	.86	.09	...	.05	.05	.91	...	...	...	.27	.18	.01	T.	T.	...	...	3.20
Hollisterville	Upper Del	...	...	...	...	.33	...	.04	...	.03	.15	...	T.	...	...	.48	.85	.10	...	.20	.04	.80	...	...	...	.23	.20	.02	T.	...	...	...	3.47
Holtwood‖	Lower Susq	...	...	...	...	T.	...	...	...	T.	...	.12	T	T.	.05	.48	.55	T.	...	.02	T.	.16	...	...	...	.02	.14	T.	...	...	...	...	1.54
Huntingdon	Juniata	...	...	...	...	.01	...	...	T.	T.	...	T.	...	...	.40	.22	.05	...	.04	...	.41	.43	...	...	...	.53	...	T.	...	...	...	...	2.09
Hyndman	Potomac	...	...	...	...	...	...	...	...	T.	T.	...	...	...	.45	.15	...	...	...	...	.38	.03	...	...	...	...	...	...	...	...	...	...	1.01
Kylertown***	W. B. Susq	...	...	T.	...	.13	T.	T.	...	.01	.01	T.	...	T.	.04	.28	.02	.13	T.	.04	.01	.40	...	...	...	.06	.15	.01	T.	T.	...	...	1.29
Lakeville‖	Upper Del	...	...	...	T.	.35	.03	.12	...	.02	.01	T.	...	.06	...	.60	.94	...	.01	T.	.25	.80	T.	...	...	.27	T.	...	.10	T	...	...	3.56
Lancaster	Lower Susq	...	...	...	...	.02	...	...	...	T.	...	.02	...	.02	.22	.51	.29	...	T.	...	.01	.18	...	...	...	.16	T.	...	...	...	...	...	1.43
Lansford‖	Lehigh	...	...	...	...	.03	...	...	...	T.	T.	T.	.03	T.	.05	.40	.41	T.	...	.08	T.	.42	...	...	...	.08	.03	...	T.	...	...	...	1.53
Lawrenceville	N. Br. Susq	...	...	...	T.	.10	.10	T.	T.	...	...	...	...	T.	T.	.30	.30	.05	T.	.10	.20	...	...	...	...	.23	...	...	...	...	...	...	1.38
Lebanon	Lower Susq	...	...	...	.03	...	...	...	T.	...	.03	...	T.	...	.63	.35	...	...	.05	T	.32	...	...	...	.15	.20	T.	...	T.	...	...	...	1.76
Lehighton‖	Lehigh	...	...	...	...	.10	...	...	...	T.	T.	T.	.20	...	...	.65	.45	...	...	.15	T.	.63	...	...	...	.12	T.	...	...	...	...	...	2.30
Lock Haven	W. Br. Susq	...	...	...	...	T.	...	...	.10	...	...	...	...	...	.10	.19	.29	...	.04	.10	.28	.17	...	...	...	.22	T.	...	T.	...	...	...	1.49
Marcus Hook	Lower Del	...	...	...	.04	...	...	...	.47	T.	...	.10	...	*	*	*	1.05	...	.07	...	...	.32	...	...	...	.18	...	...	...	...	...	...	2.23
Matamoras‖	Upper Del	...	...	...	...	.10	.05	...	...	.24	...	...	.05	...	...	.37	1.03	...	...	...	...	.85	...	...	...	.25	...	...	...	...	...	...	2.94
Mifflintown	Juniata	...	...	...	.02	...	...	...	.01	T.	...	T.	...	...	.55	.14	...	...	...	...	.78	...	...	...	.12	.46	T.	T	T.	...	...	...	2.08
Montrose	N. Br. Susq	...	...	...	...	.25	.14	...	.02	...	...	...	...	.04	.05	.48	.41	.05	.04	.09	.52	.26	...	...	...	.33	...	...	.06	...	...	...	2.74
Morris Run	N. Br. Susq	...	...	...	...	.09	.04	...	.02	...	...	...	...	.02	.08	.40	.28	.06	.05	.05	.18	...	...	...	...	.25	...	...	T.	...	...	...	1.52
Mount Pocono	Upper Del	...	...	...	T.	T.	.12	...	.03	.10	...	.20	...	...	.10	.66	.40	.05	.60	.03	.20	.25	...	...	...	.15	.10	.20	.11	...	...	...	3.30
Muncy Valley	W. Br. Susq	...	...	...	...	.16	T.	...	.02	T.	...	...	...	T.	...	.37	.22	...	.03	.06	.24	.20	...	...	...	.12	...	T	T.	...	...	...	1.42
Neshaminy‖	Lower Del	...	...	...	.06	.02	...	...	.47	.01	...	.06	...	.05	.48	1.03	.01	...	.10	...	.29	.06	...	...	...	.35	...	T.	...	...	...	...	2.99
New Park	Lower Susq	...	...	...	...	...	...	...	...	...	...	.10	...	.03	.30	.56	...	...	...	...	...	...	...	...	...	.22	...	...	...	...	...	...	1.21
Newport‖	Juniata	...	...	...	...	...	...	...	...	...	*	T.	...	...	T.	.57	.22	...	...	...	.03	.53	...	...	...	.05	.45	...	...	...	...	...	1.85
Palmerton‡	Lehigh	...	...	...	.03	...	...	...	T.	...	.01	...	...	.02	.13	.53	...	...	.06	.01	.42	.12	...	...	...	.26	T.	...	T.	...	...	...	1.59
Paupack‖	Upper Del	...	...	...	...	.26	.02	...	...	...	.02	...	...	.02	...	.60	.70	.08	...	.12	.02	.80	...	...	...	.22	.02	24	...	...	...	...	3.12
Philadelphia***	Lower Del	...	...	...	.01	...	...	...	.46	.01	.03	.36	...	.03	.53	.93	.01	T.	.16	T.	.22	.07	...	...	...	.16	T.	...	...	...	...	...	2.98
Phila. Navy Yard‖	Lower Del	...	...	...	...	.01	...	...	T.	.47	T.	.02	.08	.08	.70	*	.71	.11	T.	.13	.24	.03	...	...	...	.20	T.	...	...	...	...	...	2.78
Phila-P'nt Breeze.‡	Lower Del	...	...	...	T.	...	...	...	.48	T.	*	.32	...	...	*	.40	...	...	.15	T	.30	...	...	...	.03	.06	...	...	...	...	...	...	1.74
Phoenixville	Schuylkill	...	...	...	...	.03	...	...	.10	T.	...	.02	...	T.	.25	.79	.56	T.	.12	T.	T.	.22	...	...	...	.24	...	T.	...	...	...	...	2.33
Pine Grove	Lower Susq	...	...	...	.08	...	...	...	T.	...	.02	.02	...	T	.50	.70	T.	...	.07	...	.29	.09	...	...	...	.40	...	...	...	...	...	...	2.17
Pleasant Mt.‖	Upper Del	...	...	...	.36	...	.18	...	...	...	.07	...	.13	...	T.	...	...	1.41	.22	...	...	1.02	...	...	.33	...	...	...	.12	...	...	...	3.84
Pottstown	Schuylkill	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Pottsville	Schuylkill	...	...	...	...	.02	...	...	T.	...	...	T.	...	.01	.23	.55	.24	...	.11	T	.11	.25	...	...	...	.32	T.	...	...	...	...	...	1.84
Quakertown	Lower Del	...	...	...	...	.02	...	...	.04	...	...	.03	...	.05	.22	.58	.54	...	.06	...	.04	.47	...	...	...	.36	...	...	...	...	...	...	2.41
Reading***	Schuylkill	...	...	...	.07	...	...	...	.01	T.	.01	.11	...	.02	.56	.89	...	T	.08	T.	.31	.09	...	...	T.	.27	.01	...	...	...	...	...	2.43
Renovo.‖	W. Br. Susq	...	...	...	...	.08	...	...	...	...	...	...	...	...	...	.34	.04	...	...	.04	.12	.24	...	...	...	.27	.28	...	...	...	...	...	1.41
Retreat	N. Br. Susq	...	...	...	.22	...	...	...	.05	.05	...	...	...	.05	.28	.65	.12	...	.08	.10	.52	...	...	...	.08	.45	...	...	...	...	...	...	2.65
Scranton***	N. Br. Susq	...	...	...	.18	T.	T.	...	.01	.04	...	...	...	.01	.11	.60	.06	T.	.14	.02	.68	.10	...	...	.01	.22	T.	T.	T.	...	...	...	2.18
Selinsgrove	Lower Susq	...	...	...	...	.02	...	...	.02	.01	...	1.00	...	...	.25	.43	.05	...	.11	...	.46	.34	...	...	...	.48	.40	...	...	...	...	...	3.57
Shawmont	Schuylkill	...	...	...	...	.01	...	...	.37	T.	...	.06	...	.04	.19	.64	23	T.	.14	.01	.02	.38	...	...	...	.24	...	...	...	...	...	...	2.38
Shippensburg	Lower Susq	...	...	...	...	...	...	...	T.	T.	...	.12	...	...	.42	.35	.09	...	T.	...	.16	.20	...	...	...	.22	T.	...	...	...	...	...	1.56
State College	W. Br. Susq	...	T.	...	.03	.03	...	...	T.	.02	T.	...	...	...	.30	.20	T.	T.	.02	T.	.52	.25	...	...	...	.37	T.	T.	T.	...	...	...	1.74
Stroudsburg‖	Upper Del	...	...	...	.03	...	T.	...	.08	.02	...	.01	...	.03	...	.56	.65	...	.04	.02	09	.74	...	...	...	.44	...	...	...	...	...	...	2.71
Sunbury‖	Lower Susq	...	...	...	...	.04	...	...	...	T.	T.	...	T.	...	.08	.43	.23	...	...	.12	T.	.68	...	...	...	.04	.40	T	T.	...	...	...	2.02
Susquehanna‖	N. Br. Susq	...	...	...	...	...	.04	.42	...	...	...	...	...	.04	...	.03	.49	.12	...	...	...	.81	...	...	...	.22	.02	.03	02	...	...	...	2.24
Towanda	N. Br. Susq	...	T.	...	.10	.02	.06	.01	.03	T.	T.	...	...	.01	.08	.49	.17	.01	.03	08	.26	.11	...	...	T.	.22	T	T.	T.	...	...	...	1.68
Weikert	Lower Susq	...	...	...	...	.15	...	...	.10	...	...	...	...	...	...	.25	.15	...	.10	05	.50	.15	...	...	...	.64	...	...	...	...	...	...	2.09
Wellsboro	N. Br. Susq	...	T.	...	.09	T.	...	...	T.	...	T.	...	...	T.	.02	.42	.09	...	.04	.05	.15	...	...	...	T.	.11	...	...	T.	...	...	...	0.97
West Chester	Lower Del	...	...	...	...	.06	...	...	.08	T.	...	.09	...	.07	.33	.76	.42	T.	.17	T.	.02	.14	...	...	...	.21	.01	T.	T.	...	...	...	2.36
Westgrove‖	Lower Del	...	...	...	...	.05	...	...	...	.03	.02	.10	T.	T.	.08	.46	.46	T.	T.	.14	...	.14	...	...	...	.11	.10	...	...	...	...	...	1.69
Wilkes-Barre‖	N. Br. Susq	...	...	...	...	.16	.02	...	...	T.	.11	...	...	.02	...	.35	.45	T.	...	.28	.04	.70	...	...	...	.85	.20	...	T	...	...	...	3.18
Williamsport‖	W. Br. Susq	...	...	...	...	.07	...	...	...	.01	...	...	...	T.	T	.42	.18	...	...	.07	.01	.37	...	...	...	.01	.18	...	...	...	...	...	1.32
Williamstown	Lower Susq	...	...	...	...	...	...	...	T.	...	...	.04	...	...	.10	.47	.32	...	.05	...	...	.37	...	...	...	.39	...	T.	...	...	...	...	1.74
York	Lower Susq	...	...	...	...	...	...	...	...	...	...	.05	...	.04	.26	.53	.07	...	.02	...	.03	.16	...	...	...	.17	...	...	...	...	...	...	1.33
York Haven‖	Lower Susq	...	...	...	...	...	...	...	...	...	...	.08	...	T	.01	.40	.10	...	...	...	...	.17	...	...	...	.10	27	...	...	...	...	...	1.13
Zionsville..(near).	Schuylkill	...	...	...	...	...	...	...	.04	.02	...	.16	...	.15	.48	.70	.42	...	T.	T.	.06	1.32	...	...	...	.35	...	...	...	...	...	...	3.70
Trenton, N. J.***	Lower Del	...	...	...	.01	T.	T.	...	.35	T.	...	.11	...	.02	.29	.53	.11	T.	.07	T.	.21	.04	...	...	T.	.23	T.	...	T.	...	...	...	1.97

Continued on page 14.

Daily Precipitation for March, 1937—Continued from page 13

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Falls‖‖	Beaver					.26		T.		.02	T.	T.			.03	.26	.01	.02		.11	.14	.45				.43	.14	.01	T.				1.8
Blairsville	Allegheny					.21				T.	.05	.04			.08	.30	T.	T.		.17	.11	.92				.04	.07	.05	.03				2.0
Bradford	Allegheny				.20	.21	T.			T.	T.			T.		.12	.04		T.	.11	.18	.10				.55	.03		T.				1.5
Brookville‖‖	Allegheny					.32	T.			.02	.01			T.	.02	.26	.02	.02		.17	.19	.41				.27	.37	.02	T.				2.1
Butler	Ohio					.55				T.					T.	.25	.12		.35	.12		.68				.37	T.	T.					2.4
Chambersville	Allegheny				.01	.28				T.					.10	.06	.03		.15		.31		.50			.39	.05	.04					1.9
Clairton‡	Monongahela				.17				T.	.01				.07	.58	.05	.08		.06	T.	.37				.08	.06	T.	T.					1.5
Clarion	Allegheny				.32				.02	.02	.01				.08	.18	.02	.03	.11	.06	.77	.02			.32	.25							2.2
Claysville	Ohio				T.	.23				.02	.02	T.		.06	.38	.12	T.	T.	.05		.45	.11			T.	.12	T.	T.	T.				1.5
Confluence‖‖	Youghiogheny					.16					.16	.03		.10	.27	.40	.08	.08			.08	.60				.20	.22	T.	T.				2.3
Connellsville	Monongahela					.32				T.	.03	.01		.10	.19	.11	T.	.02		.12	.04	.48				.21	.18	T.	T.				1.8
Corry	Allegheny				.18	.14			.07	.02	.02			.01	.03	.04	.02	.04	.12		.37					.35	.01	.01					1.4
Coudersport	Allegheny				.13	.01	.01			T.	T.					.21	.05		T.	T.	.28					.19	T.	T.	T.				0.8
Derry	Conemaugh				T.	.30				.02				.05	.31	.09	.05		.16		.30	.55				.32	.03	T.					2.1
Donora‖‖	Monongahela					.21				T.	T.			.09	.23	.11	T.		.02	T.	.10	.47				.17	T.						1.4
Du Bois	Allegheny				T.	.25	T.		T.	T.				.01	.09	.14	T.	T.	.05	.02	.41	.26			T.	.36	.02	T	T.				1.6
Ebensburg	Conemaugh					.36				T.	.01	T.			.16	.42		.20		.12	.02	1.16				.21	.01	.05	.05				2.77
Elk Lick	Youghiogheny																																
Franklin‖‖	Allegheny					.25				.02	.02					.18		.02			.19	.64				.45	.17						1.94
Greensboro‖‖	Monongahela					.16					.02	.02		.17	.26	.46	.01	T.		.03	.04	.86				.27	.03						2.33
Greensburg	Youghiogheny				T.	.33			T.	.07	T.	.01		.04	.46	.15	.11	T.	.11	.02	.39	.28			.01	.20	.05	.01	T.				2.24
Greenville	Beaver				.13	.17	T.			T.	.03	T.			T.	.30	.04	.01	.03	T.	.35	.45			.03	.45	.03	.01					2.03
Grove City	Beaver				.04	.09				.09						.05	.07		T.		.48	.43			.06	.48	.01						1.80
Herrs Isl. Dam‖‖	Ohio					.22	T.			.02	.03	T.		T.	.11	.32	T.	.05		.11	.09	.29				.22	.11	.02	T.				1.59
Irwin	Monongahela				.03	.30				.02	T.	T.		.08	.40	.16	T.	.02	.14		.38	.19			.02	.20	.03	T.					1.97
Johnstown	Conemaugh				.12	.13			.03	.05		T.		.02	.36	.21	.12		.12	.02	.43	.60			T.	.45	.04	.03					2.73
Kane (near) ‡‡	Allegheny				.07	.21	.02			.06				.03	T.	.07	.04		.08	.19	.20	.42				.41	T.	T.					1.80
Kregar‖‖	Youghiogheny				.39				.04	.05	.04		.09	.16	.19	.04	.18		.15	.06	.90				.26	.20	.03	.02					2.80
Lake Lynn‖‖	Monongahela					.14				.01	.02	.05		.16	.24	.24	.04	.02		.01	.06	.42				.26	.14						1.81
Linesville‖‖	Beaver				.24					.05	.02	.02				.30	.04				.12	.11	.13				.74	.08					1.85
Lock No. 2‖‖	Ohio					.22				.02	T.	.02			.07	.18	T.	.01		.13	.12	.51				.20	.07						1.55
Lock No. 4‖‖	Monongahela					.25				T.	.01			.07	.19	.33	T.	.02		.10	.09	.30				.22	.02	.01					1.61
Lock No. 5‡‡‖‖	Allegheny					.23				.01	.02	T.			.10	.22	T.	.08		.30	.11	.65				.15	.11	T.	T.				1.98
Lycippus	Conemaugh				T.	.34			T.	.07	T.	.02	.14		.35	.03	.08	.20	T.		.60	.52			.13		.02						2.50
McKeesport‖‖	Monongahela					.18				T.	T			T.	.28	.25	T.	.01		.09	.09	.34				.22							1.46
Meadville	Allegheny				.20	.20			.02	.05	.13					.15	.02		.05	.05	.28	.05			.08	.50	.03						1.71
Midland	Ohio				T.	.26				.03		T.			.02	.14	T.		.16	.02	.35	.43			.06	.22	T.	T.					1.69
Mosgrove‖‖	Allegheny					.27				.08	.02				.05	.22	T.	.05		.01	.10	.39				.22	.27	.02					1.70
Mount Lebanon	Ohio				.21	T.				.02	T.			T.	.23	.10	.05		.12		.67	.12			.01	.26	T.	T.					1.79
Natrona‖‖	Allegheny					.23				.04	.06	.01		T.	.06	.20	.03	.07		.13	.10	.73				.15	.12	.01	.02				1.96
New Castle‖‖	Beaver					.28	T.			.08	.04	T.			.05	.18	.02	.03	.02	.05	.16	1.39				.42	.20	.01	T.			T.	2.93
Newell	Monongahela				.30										.50				.70	.20					.30	T.							2.00
Parkers Landing‖‖	Allegheny					.30	T.	T.		.04		T			T.	.25	T.	.05		.12	.13	.45				.35	.22	T.	T.	T.			1.91
Pennline‖‖‡‡	Beaver			T		.34			.02	.02	.04	.01	T.			.09	.02			.07	.30	.12				.55	.16	T.					1.74
Pittsburgh***	Ohio				.19	T.	T.		T.	.04	.02			.04	.34	.12	.11	T.	.14	T.	.71	.04		T.	.28	.06	T.	T.	T.				2.09
Punxsutawney‖‖	Allegheny					.29				.05				T.	.07	.20	T.	T		.15	.07	.66				.17	.22						1.88
Ridgway	Allegheny			T.		.25	T.	T.		.03	T.	T.		T.	T.	.16	T.	T.		.08	.04	.31				.19	.21	T.	T.				1.27
Saltsburg‖‖	Conemaugh					.30				T.	T.			T.	.17	.21	T.	.22		.18	.14	.82				.18	T	T.					2.22
Sharon‖‖	Beaver					.42				.02	.01	T.	T.		.04	.13	.01	.03		.07	.13	.81				.67	T.	T.					2.34
Smethport‖‖	Allegheny					.20				T.					T.	.25	T.	T.	T.	.35			.10		.05		.10	T.	T.				1.05
Somerset	Youghiogheny				T.	.19			.01	.05	.04	.01		.08	.34	.15	.14	.03	.08		.34	.36				.42	.02	T.	T				2.26
Springdale‖‖‡‡	Allegheny					.28				T.	T.	T.		.02	.10	.24	T.	.09		.18	.10	.76				.18	.12	T.					2.07
Uniontown	Monongahela				T.	.22			.02	.04	.02			.16	.19	.15	.04		.09		.33	.28				.35	T.	T.	.02				1.91
Unity Reservoir‡‡	Youghiogheny				.06	.26			T.	.01	T.	T.		.10	.25	.12	.05	.02	.13	T.	.26	.34			.01	.18	.03	.03	T.				1.85
Vandergrift‡	Conemaugh				.22					T.	T				.24	.05	.05	.12			.50	T.				.14							1.32
Warren	Allegheny					.38				.12			T.		.05	.25		.05		.30	.28	.04			.06	.42	.15						2.10
Waynesburg	Monongahela					.19				T.	T.			.10	.30	.47	T.		T.		.47	.10				.10							1.73
Westford‖‖	Beaver				.05	.28			.04	.04					.40	.08		.07	.04	.22	.44				.44	.12							2.22
West Newton‖‖	Youghiogheny					.25				T.	.05			.06	.15	.26	.02	.05		.05	.08	.47				.19							1.63
Lake Drainage.																																	
Erie***	Lake Erie		T.	T.	.25	T.	T.		.02	.01	.01	T.	.01	T.	.04	.12	.03	T.	.02	.08	.28	.04			.25	.07	T.	T.					1.23

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	30.01	30.44	3	29.48	24	13.6	35	w.	17	76	70	72	44
Harrisburg	29.96	30.46	3	29.51	25	9.5	28	nw.	28	63	52	55	56
Philadelphia	29.96	30.48	3	29.51	25	13.3	31	nw.	26	62	49	51	57
Pittsburgh	29.99	30.43	3	29.40	24	12.9	41	sw.	20	80	65	65	54
Reading	29.96	30.47	3	29.52	25	13.7	35	nw.	29	64	49	54	56
Scranton	29.94	30.47	3	29.51	25	7.9	22	nw.	28	74	57	60	43

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.4	4.6	26	2.8	13	18
Easton	Delaware	3.7	5.6	26	2.4	13	
Lehighton	Lehigh	3.6	4.2	26	3.2	14	7
Wilkes-Barre	Susquehanna	6.1	9.6	26	4.2	20	20
Williamsport	Susquehanna	3.7	5.2	23	2.5	19	20
Harrisburg	Susquehanna	5.3	6.4	27	4.5	19	18
Greensboro	Monongahela	13.6	25.0	21	11.7	5	30
West Newton	Youghiogheny	2.5	7.7	22	1.2	3	20
Lock No. 4	Monongahela	14.2	23.4	21	12.0	1	30
Pittsburgh	Ohio		21.1*	22	12.2*	2	25
Midland	Ohio		22.9	22	10.5*	5	30

* —Pool stage.

Daily Temperatures for March, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	37	41	48	58	45	40	46	48	37	25	33	42	37	32	33	30	36	48	46	43	45	46	50	51	52	39	30	33	44	50	53	41.9
	Minimum	14	25	26	34	31	32	23	33	20	10	11	17	27	22	23	22	23	30	34	32	33	30	30	24	38	17	18	21	26	23	29	25.1
Bedford	Maximum	39	44	51	61	65	49	51	67	41	29	36	46	44	36	34	31	39	44	50	48	47	48	52	53	62	47	35	37	47	54	64	46.8
	Minimum	12	28	29	28	33	30	26	34	22	13	22	16	26	25	22	23	23	31	37	32	35	36	29	24	40	21	20	24	28	22	28	26.4
Bethlehem	Maximum	44	43	47	61	59	42	42	42	37	33	32	46	43	39	30	32	41	41	45	45	46	49	49	50	46	37	39	38	49	53	53	43.6
	Minimum	19	28	30	34	36	36	24	30	29	16	23	21	29	28	26	28	26	30	33	30	34	34	34	28	34	24	24	26	28	30	29	28.4
Brookville	Maximum	39	42	48	53	41	41	48	50	25	27	33	44	33	30	34	28	40	36	46	46	41	47	48	50	33	27	33	33	39	49	....	39.5*
	Minimum	4	9	20	27	28	31	19	24	19	7	6	8	20	22	23	21	23	27	33	26	32	22	20	17	27	15	19	19	20	15	....	20.1*
Butler	Maximum	38	48	48	66	66	41	52	61	35	24	35	47	45	34	34	32	40	38	48	51	51	48	49	54	61	36	29	34	42	46	61	43.8
	Minimum	15	20	19	35	32	31	30	24	18	10	7	15	27	23	27	21	24	32	33	30	30	27	28	32	36	16	19	22	22	18	23	24.0
Carlisle	Maximum	46	49	53	64	61	68	50	48	45	36	40	47	49	38	37	36	46	55	52	54	50	56	57	56	50	46	44	46	55	58	59	49.7
	Minimum	16	27	30	26	34	31	23	31	23	15	31	17	34	25	32	26	28	32	30	31	36	34	32	25	38	28	22	26	31	27	29	28.2
Catawissa	Maximum	37	44	51	52	42	47	42	44	40	32	35	41	33	34	37	35	38	42	40	44	45	46	49	50	49	44	38	38	48	53	....	42.3*
	Minimum	18	28	34	30	32	38	30	34	22	18	22	22	29	29	30	23	28	32	31	30	38	36	32	26	40	26	24	26	28	26	....	28.7*
Chambersburg	Maximum	46	48	52	65	55	54	54	53	47	33	37	46	44	39	37	35	44	43	53	47	43	64	57	64	53	50	45	40	53	66	59	48.3
	Minimum	16	29	30	30	36	34	27	31	26	16	27	26	28	26	26	26	28	32	36	33	38	33	36	27	38	24	22	26	30	29	32	29.0
Chambersville	Maximum	39	41	44	55	49	48	41	55	38	26	33	47	43	35	34	30	37	38	46	50	62	48	60	56	62	34	29	36	45	49	52	43.0
	Minimum	10	25	22	36	29	21	30	35	16	7	6	13	24	22	23	20	22	28	32	29	31	26	28	21	31	15	17	20	22	17	24	22.6
Claysville	Maximum	40	45	55	59	57	55	53	53	43	25	36	60	47	35	33	31	41	39	53	67	66	53	66	57	59	30	29	40	49	50	66	47.2
	Minimum	12	27	22	37	32	31	25	37	19	9	9	18	26	24	24	20	25	32	34	36	34	25	31	31	29	19	19	21	22	18	21	24.8
Clearfield	Maximum	41	43	48	44	42	42	51	47	32	35	36	44	37	34	33	34	38	36	50	43	44	51	53	52	52	34	36	34	68	54	58	43.1
	Minimum	8	22	21	24	26	32	20	28	20	8	9	11	12	19	22	12	18	25	32	24	32	28	28	18	34	16	18	12	25	20	46	21.6
Coatesville	Maximum	43	44	46	62	51	51	45	41	43	32	31	43	41	36	33	37	4[illegible]	43	51	47	49	51	53	52	44	43	42	39	51	52	55	44.9
	Minimum	16	28	29	28	36	34	26	28	25	17	22	19	25	26	26	27	26	29	29	28	36	32	36	25	35	25	22	27	28	29	31	27.4
Corry	Maximum	30	32	46	47	34	37	48	39	34	25	31	40	34	31	30	28	37	36	41	45	48	46	44	44	35	30	28	34	42	44	51	37.8
	Minimum	12	23	12	32	26	30	15	33	15	7	7	10	20	23	24	19	21	29	28	32	35	22	19	20	28	19	12	16	24	17	19	20.9
Emporium	Maximum	40	41	46	54	43	40	47	49	37	25	34	42	39	31	34	30	41	39	47	44	41	47	48	49	42	27	39	34	45	50	63	41.2
	Minimum	4	27	19	27	29	33	18	25	18	9	4	10	19	23	24	23	23	31	31	25	34	27	18	15	27	14	20	21	21	18	18	21.1
Erie*	Maximum	32	34	48	49	35	40	39	47	26	23	27	38	29	31	30	30	39	38	39	38	40	38	40	38	29	24	34	33	37	39	44	35.7
	Minimum	20	27	22	32	31	29	20	26	15	15	14	19	24	24	24	23	26	34	31	33	32	29	29	29	20	19	24	25	29	26	28	25.1
Franklin‡	Maximum	39	43	49	52	41	46	50	44	24	28	32	43	31	30	32	30	41	38	46	52	45	45	47	47	36	26	33	33	41	46	50	40.0
	Minimum	5	10	22	23	30	32	21	24	18	9	6	8	19	24	23	22	22	25	32	29	32	28	23	21	25	16	16	23	25	19	20	21.0
Freeland	Maximum	36	34	37	53	43	35	35	34	35	22	30	37	33	28	31	28	35	34	39	35	40	40	42	40	37	30	34	31	41	44	48	36.2
	Minimum	12	20	20	30	29	29	15	24	18	8	16	12	23	19	21	22	19	27	28	26	29	25	25	22	28	16	17	19	21	21	26	21.5
Gettysburg	Maximum	46	47	51	65	60	59	51	51	50	46	37	46	43	42	38	37	44	44	54	51	49	54	57	55	49	50	45	41	62	56	57	49.2
	Minimum	18	28	30	33	37	35	27	33	32	16	24	22	30	27	26	26	28	33	37	33	38	32	38	30	39	26	23	27	30	28	34	29.7
Greensburg	Maximum	39	44	51	58	46	47	53	54	38	25	34	48	46	33	31	31	38	39	60	58	54	48	52	61	60	29	31	38	47	50	63	44.7
	Minimum	14	25	25	37	31	31	36	37	19	11	14	20	26	25	26	22	25	30	30	35	34	30	32	29	29	17	19	23	24	22	27	26.0
Grove City	Maximum	35	42	50	46	39	47	47	47	37	21	30	40	39	33	40	31	40	45	42	54	52	45	44	47	43	24	30	31	40	48	49	40.6
	Minimum	28	33	36	37	28	29	22	37	14	8	10	20	25	21	14	11	27	30	31	34	30	28	29	26	21	17	18	24	23	19	27	24.4
Hamburg	Maximum	38	39	40	57	58	44	45	39	41	28	30	39	38	38	32	32	40	41	41	43	42	47	47	49	46	44	37	38	46	47	50	41.8
	Minimum	37	28	32	32	37	36	26	29	27	15	22	21	29	26	26	27	28	29	34	30	37	34	30	26	35	24	24	27	29	30	27	28.8
Harrisburg*	Maximum	45	46	49	62	46	50	44	45	40	30	36	44	42	35	32	34	43	44	51	41	49	51	54	50	48	34	39	36	52	53	55	44.5
	Minimum	22	29	34	35	37	35	31	34	22	18	23	24	32	26	27	29	31	33	38	34	38	38	38	32	34	24	25	29	32	32	32	30.6
Hawley	Maximum	39	36	38	56	49	33	34	33	33	24	32	40	36	30	32	31	38	42	39	35	37	37	40	45	39	31	36	29	37	41	49	37.1
	Minimum	5	18	19	19	29	26	12	13	22	7	7	6	24	20	23	24	21	26	31	17	31	26	14	13	30	17	20	20	22	20	14	19.2
Holtwood*	Maximum	44	45	48	62	47	54	45	47	40	32	35	44	41	35	33	34	43	43	50	51	48	50	53	50	46	40	41	37	50	52	54	45.0
	Minimum	21	28	32	33	40	35	32	35	25	21	27	26	32	28	30	30	31	32	32	34	38	37	39	32	40	27	27	31	33	34	37	31.6
Huntingdon	Maximum	41	46	51	62	47	48	51	49	39	29	38	47	41	34	38	34	41	42	51	43	49	51	54	52	53	....	36	35	51	55	58	46.5*
	Minimum	10	30	30	25	34	29	26	29	20	15	14	13	28	25	24	25	28	34	31	29	37	30	26	20	34	....	22	26	30	24	27	25.8*
Johnstown	Maximum	40	45	53	59	45	44	59	63	38	37	36	49	47	36	34	34	40	40	50	50	46	51	53	56	54	30	34	35	52	54	55	45.5
	Minimum	14	28	29	30	33	34	29	34	19	12	20	20	28	26	25	23	25	32	36	35	36	33	33	28	29	20	20	25	28	25	29	27.0
Lancaster	Maximum	45	44	50	66	63	56	53	48	47	36	35	45	45	45	34	35	45	42	51	49	48	54	56	57	52	49	43	43	66	58	58	48.6
	Minimum	13	24	25	26	37	31	24	26	31	18	24	18	26	28	27	22	28	28	29	28	31	30	32	23	28	27	23	27	29	25	30	26.4
Lawrenceville	Maximum	44	37	45	56	44	38	40	47	37	25	30	43	42	34	32	31	45	40	45	43	40	45	45	45	42	30	38	32	44	45	53	40.5
	Minimum	−3	17	10	25	28	29	13	18	20	10	7	10	22	19	22	21	21	22	28	20	33	25	19	18	20	15	20	20	24	19	19	19.1
Lebanon‡	Maximum	45	46	49	62	47	49	46	43	41	30	35	44	46	32	35	35	44	41	49	44	46	52	54	50	45	34	40	39	63	54	57	44.7
	Minimum	15	24	30	30	34	33	26	29	34	16	19	22	24	27	26	27	27	21	32	32	34	29	33	28	33	25	23	25	28	29	30	27.3
Marcus Hook*	Maximum	48	51	61	39	57	55	48	46	39	35	42	50	42	36	36	46	49	54	54	65	53	57	55	53	46	45	46	53	55	56	61	49.8
	Minimum	32	35	36	41	41	28	35	36	23	25	25	33	28	29	31	31	38	39	36	42	37	39	35	38	29	26	31	32	34	36	37	33.5
Meadville	Maximum	35	35	46	49	41	45	47	47	38	25	29	39	38	32	32	30	39	40	42	53	50	47	45	45	47	24	33	35	40	45	48	40.0
	Minimum	11	23	18	39	28	31	20	34	16	8	8	16	24	22	22	21	23	32	30	29	31	26	24	22	22	14	19	22	25	20	21	22.6
Montrose	Maximum	35	32	36	48	45	33	32	36	35	21	30	37	34	28	31	28	34	38	35	34	36	33	37	39	38	22	31	24	34	36	44	34.1
	Minimum	9	9	18	15	16	16	9	17	17	7	10	14	21	17	22	21	18	20	29	22	31	23	22	18	21	14	17	16	19	19	17	17.5
Mount Pocono	Maximum	34	33	36	51	32	34	32	32	30	20	28	37	29	31	29	25	35	35	34	33	37	35	39	39	33	30	33	24	35	38	46	34.5
	Minimum	9	26	20	28	28	30	12	19	11	6	9	11	20	20	22	22	19	29	26	29	30	19	19	18	28	15	17	19	20	22	22	20.2
Philadelphia*	Maximum	45	46	50	61	51	52	46	42	43	32	31	42	40	35	35	35	44	46	49	49	50	53	54	49	43	40	42	39	52	54	55	45.3
	Minimum	24	31	36	36	39	38	26	32	26	21	24	26	32	28	31	30	29	35	38	36	41	38	39	35	38	26	26	31	32	35	36	32.1
Pittsburgh*	Maximum	38	43	51	55	42	49	51	64	33	23	34	46	34	30	30	27	37	38	49	62	45	48	51	58	50	23	30	38	44	47	52	42.3
	Minimum	18	27	28	36	33	31	27	33	14	9	16	24	28	24	24	21	26	32	34	38	34	30	32	33	23	19	21	22	25	25	30	26.4
Quakertown	Maximum	42	43	45	62	54	44	44	36	38	32	31	41	40	37	32	35	41	42	44	42	48	48	49	47	44	39	44	39	47	51	51	43.0
	Minimum	27	26	29	29	34	34	22	22	28	16	22	14	27	26	26	27	24	30	33	23	34	31	28	21	34	23	23	26	27	27	25	26.4
Reading*	Maximum	44	46	47	64	47	48	44	42	40	33	34	45	44	34	37	33	44	43	48	46	46	51	52	48	44	32	39	35	51	52	54	44.1
	Minimum	22	30	36	38	40	36	29	34	22	20	24	23	32	28	31	28	29	33	37	35	38	37	38	31	32	25	25	28	30	32	31	30.8
Ridgway‡	Maximum	38	39	46	52	40	40	47	52	25	26	33	42	33	31	34	29	39	38	45	35	41	46	47	49	42	27	36	22	45	46	51	39.5
	Minimum	2	3	13	15	29	30	16	20	19	9	6	11	20	21	21	21	22	25	32	25	32	26	18	16	16	15	18	21	23	15	18	18.6
Scranton*	Maximum	40	39	39	54	37	38	31	41	36	26	34	42	36	32	34	29	44	40	41	41	41	40	43	49	38	27	37	28	41	43	50	38.4
	Minimum	12	25	26	31	32	23	17	22	17	13	16	19	26	25	28	26	24	32	33	26	36	30	28	23	21	20	23	23	25	26	24	24.4
Selinsgrove	Maximum	32	39	46	59	54	44	43	45	45	30	33	43	40	40	33	32	41	41	48	48	39	52	54	50	46	46	37	38	53	53	51	43.7
	Minimum	9	26	28	30	34	33	25	27	26	15	20	17	31	26	25	25	26	26	33	31	35	30	27	24	36	23	23	26	29	27	29	26.5
Somerset	Maximum	31	36	47	52	45	42	55	48	34	21	30	41	40	30	27	27	32	35	42	45	45	39	45	54	51	34	26	31	38	48	44	39.1
	Minimum	−1	23	20	30	30	30	23	34	17	6	17	11	24	23	18	18	20	29	33	29	32	29	28	22	34	17	15	23	23	19	22	22.5
State College	Maximum	40	41	46	56	42	41	43	48	47	26	34	44	38	31	33	29	39	39	46	40	45	51	49	44	42	36	35	35	48	52	54	41.9
	Minimum	14	25	25	29	29	31	22	31	17	12	17	18	29	22	24	23	24	27	35	31	35	29	30	25	36	20	20	26	31	29	30	25.7
Stroudsburg‡	Maximum	45	42	45	60	43	40	41	37	37	39	33	43	38	30	31	33	42	41	44	42	46	44	47	42	46	40	44	35	44	48	52	41.7
	Minimum	10	13	2[illegible]	26	32	34	20	20	26	13	12	13	16	26	26	27	25	29	34	24	28	32	23	19	29	28	31	20	22	27	21	23.7
Towanda	Maximum	42	39	40	57	40	38	33	42	35	28	34	43	37	30	32	30	42	42	42	40	41	43	46	45	39	29	39	29	43	45	51	39.2
	Minimum	3	22	20	29	31	27	17	22	18	12	11	13	13	22	26	25	24	32	32	21	34	29	20	19	20	19	22	22	21	22	21	21.6
Uniontown	Maximum	43	43	56	60	48	51	59	55	41	27	37	53	47	34	32	31	42	40	53	65	59	54	55	66	62	34	32	35	44	51	56	47.3
	Minimum	15	29	27	36	35	32	30	41	24	12	23	22	28	27	27	23	26	32	35	38	37	33	35	34	34	23	21	23	22	23	26	28.2
Vandergrift*	Maximum	45	49	51	61	47	49	52	59	36	29	36	50	35	32	36	35	46	43	54	61	52	52	54	60	52	32	36	39	49	51	53	46.3
	Minimum	15	29	24	37	34	34	26	33	17	12	10	18	28	28	26	24	27	34	33	33	35	31	30	28	26	20	23	14	26	21	26	25.9
Warren	Maximum	30	30	36	50	40	37	40	38	28	25	30	38	38	30	33	32	34	40	38	45	35	41	41	42	44	26	32	32	36	39	43	36.2
	Minimum	12	27	22	38	32	25	16	22	10	8	12	18	26	27	26	26	25	30	28	30	33	30	26	26	26	15	21	24	27	24	24	23.7
Waynesburg	Maximum	40	45	55	59	50	57	61	56	45	26	36	51	48	35	32	30	39	40	53	67	60	52	55	62	55	32	32	40	49	52	55	47.4
	Minimum	13	28	24	38	34	33	27	37	21	11	19	20	27	26	26	22	26	39	35	36	36	27	34	31	32	21	20	22	23	22	26	26.6
Wellsboro	Maximum	38	38	39	53	40	38	35	46	35	23	29	40	33	28	32	28	38	38	39	40	41	41	42	44	39	24	36	29	40	42	48	37.3
	Minimum	0	20	14	26	28	30	14	21	15	7	6	9	20	19	21	20	21	26	28	22	32	27	20	17	19	14	19	18	24	17	20	19.2
Williamsport	Maximum	40	42	45	56	47	42	43	43	40	28	35	43	40	35	35	33	42	40	47	47	43	48	50	49	44	34	43	40	50	50	55	42.9
	Minimum	10	28	25	27	35	35	22	30	24	14	14	17	29	25	27	26	27	32	33	28	36	31	24	22	34	22	23	25	28	25	29	26.0
Williamstown	Maximum	39	41	45	57	59	57	54	48	40	27	32	43	43	45	40	30	39	38	49	46	46	49	50	51	46	44	36	36	50	50	53	44.6
	Minimum	16	23	26	33	31	30	22	29	25	10	18	19	27	21	22	21	22	28	31	30	32	30	30	27	32	18	21	22	24	25	27	24.9
York	Maximum	45	46	49	65	58	58	52	47	45	32	34	47	44	42	33	36	46	43	51	50	47	53	55	55	49	47	43	40	52	53	56	47.5
	Minimum	12	25	26	28	37	30	24	29	32	17	24	20	27	28	28	28	29	28	31	31	35	28	32	25	40	27	24	28	31	25	31	27.7

* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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JUN 17 1937
UNIVERSITY OF ILLINOIS

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLII. APRIL, 1937. No. 4

GENERAL SUMMARY.

April was moderately cool and rainy, and in many respects was a backward and unfavorable month. Temperatures were below the normal about two-thirds of the time, with the greatest deficiencies in the western part of the State. The nights were unseasonably cool, the soil did not warm up enough for a proper germination of seeds, and the growth of vegetation was very slow. Forest trees were about two weeks late in greening up, while orchard fruits were from ten days to two weeks late in coming into bloom. However, with all of the cool nights the temperatures remained a little above the frost line in that portion of the State south and east of the Blue Ridge Mountains, and there was no serious frost damage in any district. Lowest temperatures were recorded at a large majority of the stations on the 1st, before vegetation had advanced far enough to be greatly harmed. It was the first April in many years in which frost did not damage orchard fruits more or less while in bloom. This would seem to have portended a record breaking fruit crop, but frequent rains were unfavorable for pollination, and the setting of the fruit was not in proportion to the heavy bloom that was reported in most regions. The rainfall averaged the heaviest, with one exception, of any April in the last fifty years. It was well above the normal in all parts of the State. The soil was well saturated, and the surface water supply restored. The frequency of the rains kept the fields muddy, and farm work was decidedly backward at the end of the month. The volume of the rains caused minor floods at many places in the Susquehanna and Ohio drainage basins. In the Susquehanna Basin the damage was all on the West Branch, with amounts reported as follows:—Huntingdon, $183,000; Lewistown, $28,500; and Newport, $11,000. In the Ohio Basin all streams rose above the flood stages, but timely warnings resulted in the saving of nearly all movable property, and the damage was not serious. At the end of the month oats seeding was drawing to a close in the southern, and just beginning in the northern counties. Corn ground was mostly ready for planting in the southern portions of the State, while a large amount of plowing remained to be done in the northern counties. A few early potatoes had been planted, while the planting of truck crops was just beginning. Pastures and meadows were reported as backward, but otherwise in good condition. The winter grains were looking fine excepting a few regions where the heavy January rains stood on the fields and caused considerable spottiness. The lateness of the season seemed to be its only handicap, and it resulted in less frost damage than has occurred in many years.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 88 stations, was 47.7°, which is 0.9° below the April normal for 50 years of record. The highest monthly mean was 54.4°, at Marcus Hook, and the lowest was 41.6° at Gouldsboro. Extremes for the month ranged from a maximum of 89° at Arendtsville on the 18th, to a minimum of 19° at Emporium on the 1st and 12th; at Hawley, Wellsboro, Brookville and Ridgway on the 1st, and at Coudersport on the 12th. The greatest daily range in temperature was 51° at Arendtsville and Williamstown on the 18th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations taken at 146 stations, was 5.53 inches, which is 2.09 inches above the 50-year average for April. The greatest monthly amount was 9.49 inches at Arendtsville, while the least, 2.78 inches, was reported from Graterford. The greatest amount recorded in any 24 consecutive hours was 3.82 inches at Bakers Summit on the 25-26th.

Snowfall for the month averaged 0.2 inch, which is 2.0 inches less than the 50-year normal for April. The greatest monthly amount was 4.2 inches at Wellsboro. The greatest amount for 24-hours was 3.5 inches at Wellsboro on the 9th.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.2	92	12	2.52	1.3	8	14	10	6
1889	49.7	88	14	4.50	0.9	11	11	8	11
1890	48.6	85	12	3.46	0.4	10	14	8	8
1891	49.8	87	11	2.08	1.2	8	13	9	8
1892	46.9	85	14	2.04	1.1	10	10	10	10
1893	47.7	85	16	4.74	0.6	14	7	10	13
1894	48.0	83	5	3.62	14.7	11	11	8	11
1895	49.2	90	5	3.76	0.2	10	10	8	12
1896	53.0	97	4	1.75	0.9	8	10	10	10
1897	49.0	92	12	3.30	0.3	10	12	9	9
1898	45.6	84	4	2.93	2.5	12	9	8	13
1899	50.2	92	2	1.76	0.5	6	15	9	6
1900	49.2	90	13	1.57	0.9	8	14	8	8
1901	47.2	95	10	5.41	4.9	11	9	5	16
1902	48.0	91	20	3.56	3.0	9	8	10	12
1903	48.8	90	12	3.53	T.	10	11	7	12
1904	44.7	86	9	3.45	1.0	13	8	8	14
1905	48.4	84	16	2.84	2.8	12	9	11	10
1906	50.0	89	12	3.13	0.6	9	14	8	8
1907	43.6	84	8	2.64	4.0	11	10	7	13
1908	49.8	89	0	3.51	1.0	12	12	8	10
1909	48.5	87	8	5.39	2.6	13	10	9	11
1910	52.6	89	13	5.07	0.6	13	10	9	11
1911	46.2	84	6	3.79	4.4	13	11	7	12
1912	50.2	83	18	4.39	1.6	15	10	7	13
1913	50.6	90	17	3.82	0.2	11	12	6	12
1914	47.3	93	5	4.66	1.1	14	10	8	12
1915	53.9	98	15	1.92	1.6	8	13	10	7
1916	48.0	87	16	3.65	5.6	14	9	9	12
1917	48.5	87	14	2.08	2.6	9	11	10	9
1918	48.2	81	12	4.53	10.8	14	10	9	11
1919	48.5	90	6	2.70	1.2	11	10	10	10
1920	46.0	87	8	4.39	3.0	16	9	9	12
1921	55.3	96	10	3.11	0.8	11	13	7	10
1922	50.1	91	11	3.17	0.4	12	12	9	9
1923	48.3	89	−5	2.94	1.9	9	14	8	8
1924	46.5	82	6	4.15	7.4	12	13	7	10
1925	51.3	96	9	2.32	0.5	10	15	7	8
1926	44.9	84	9	2.03	0.9	9	12	9	9
1927	47.7	92	17	3.52	1.0	13	12	7	11
1928	46 0	88	11	5.50	6.5	13	12	8	10
1929	51.4	94	19	6.12	1.1	15	9	8	18
1930	48.2	92	9	2.71	1.1	10	11	8	11
1931	48.4	85	16	3.33	2.3	10	14	6	10
1932	47.0	86	14	1.71	1.2	8	14	6	10
1933	50.9	89	15	4.49	0.5	13	12	8	10
1934	48.9	86	14	3.06	0.6	11	13	8	9
1935	47.1	91	12	2.56	2.9	11	11	7	12
1936	46.1	90	14	3.01	1.3	14	8	8	14
1937	47.7	89	19	5.53	0.2	14	9	8	13
Period	48.6	98	−5	3.44	2.2	11	11	8	11

Climatological Data for April, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	48.8	+0.3	81	18	29	1	38	4.10	+0.39	1.24	T	13	10	16	4	ne.	John A. Frick.
Altoona	Blair	1,615	50	45.4	−2.4	78	18	24	11	38	8.50	+4.98	2.05	T.	14	7	8	15	w.	John J. Martin.
Ardmore	Montgomery	350	17	48.6	−1.7	75	18	30	1	34	5.33	+1.45	1.50	0	16	5	11	14	......	H. L. Balderston.
Arendtsville	Adams	700	15	50.0	+0.8	89	18	27	1	51	9.49	+5.79	3.15	0	11	15	1	14	w.	Dr. S. W. Frost.
Bedford	Bedford	1,060	5	48.0	....	83	18	24	1	44	8.38	....	3.00	T.	13	11	1	18	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	50.4	−0.9	82	19	31	11	38	3.95	+0.45	0.92	T.	12	14	2	14	e.	Lehigh University.
Carlisle	Cumberland	467	71	50.6	−1.4	88	18	27	1†	48	6.38	+3.02	2.34	T.	14	10	7	13	ne.	Prof. C. E. Miller.
Catawissa	Columbia	520	41	.....	....	.....	.....	.....	.....	....	.....	....	.....	.....	....	....	....	....	......	W. L. Gearhart.
Center Hall	Center	1,272	41	46.8	−0.9	79	20	34	2†	43	7.61	+4.46	2.17	0	9	13	1	16	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	49.6	−0.6	87	18	27	1	47	6.59	+3.35	1.54	T.	13	5	11	14	ne.	William B. Spear.
Clearfield	Clearfield	1,120	30	45.8	−1.8	74	18	20	1	42	6.64	+3.05	1.55	T.	14	8	8	14	sw.	E. W. Hess.
Coatesville	Chester	380	50	47.0	−3.4	72	18	29	1	34	5.61	+1.85	1.73	T.	12	7	4	19	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	47.6	−1.0	84	18	22	1	44	4.05	+0.35	0.99	T.	15	12	3	15	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	45.6	−1.1	77	18	19	1†	40	5.62	+1.93	1.23	T.	16	12	3	15	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	51.2	+1.0	85	18	28	1	42	4.28	+1.08	1.15	T.	12	11	3	16	s.	Ira J. Keath
Freeland	Luzerne	1,970	44	43.4	−0.9	77	18	25	10†	37	4.81	+0.23	1.10	T	14	5	2	23	e.	Andrew B. Evansha
George School	Bucks	190	31	50.6	+0.4	78	18	27	1	38	4.47	+0.85	1.35	T.	16	7	12	11	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	50.9	+0.1	88	18	29	1	45	7.27	+3.64	2.65	T.	13	11	7	12	nw.	Dr Henry Stewart
Gordon	Schuylkill	840	33	46.4	−1.2	82	18	20	1	40	5.29	+1.09	1.28	T.	11	14	4	12	ne.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	41.6	−0.8	77	18	22	1	36	4.51	+0.92	0.85	0.5	11	10	9	11	w.	Ronald H. Marshall.
Hamburg	Berks	535	44	48.0	−1.5	80	18	30	1†	39	5.41	+1.27	1.94	T.	12	9	10	11	sw.	State Sanatorium.
Hanover	York	600	33	51.0	−1.4	87	18	30	1†	42	5.09	+1.76	2.30	T.	13	17	1	12	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	49.6	−1.3	84	18	33	1	40	4.58	+1.89	1.23	T.	14	5	14	11	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	19	43.0	−2.3	78	18	19	1	40	5.53	+1.31	1.42	0.2	13	11	11	8	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	50.8	−0.6	86	18	34	1	41	4.47	+1.63	1.18	T.	14	15	7	8	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	48.0ᵃ	−1.4	82ᵃ	18	22ᵃ	1	43ᵃ	7.84	+4.35	3.14	T.	14	10	8	12	e.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	.....	....	.....	.....	.....	.....	....	.....	....	.....	.....	....	....	....	....	......	Glenn R. Shaffer.
Kyiertown	Clearfield	1,637	6	43.2	....	75	18	24	1†	32	5.90	....	1.68	0.1	17	5	3	22	nw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	51.0	+1.8	88	18	23	1	50	4.53	+1.27	0.88	T.	14	14	8	8	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	40	45.0	−0.9	73	30	20	1	38	3.96	+0.98	0.75	2.0	13	5	10	15	.....	C. P. Darling.
Lebanon	Lebanon	469	53	48.8	−1.5	87	18	26	1	46	4.53	+1.04	1.16	T.	14	11	7	12	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	49.2	−1.1	82	18	25	1	37	4.66	+1.08	0.84	T.	15	4	16	10	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	11	54.4	0.0	79	17†	36	9†	35	3.37	−0.16	1.20	T.	13	13	6	11	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	49.4	−0.6	85	18	28	17	43	6.72	+3.30	2.10	T.	12	12	9	9	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	42.3	+0.1	76	18	24	1†	31	5.93	+2.29	2.35	0.5	12	9	2	19	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	44.4	−2.5	67	29	20	1	35	6.05	+2.19	1.37	T.	12	14	6	10	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	49.4	+0.2	80	18	23	1	40	5.19	+1.44	1.35	T.	14	11	6	13	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	47.4	+0.3	80	18	25	1†	37	4.79	+1.55	1.95	0	12	12	9	9	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	51.2	−0.9	80	18	35	11	37	4.38	+1.33	1.62	T.	14	5	11	14	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	51.2	−0.5	82	18	23	1	41	4.60	+1.08	1.10	T.	13	10	14	6	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	48.4	−0.1	81	18	25	1	43	4.28	+0.22	1.30	0	11	9	10	11	nw.	John E. Benner.
Reading	Berks	273	67	49.8	−0.5	83	18	33	11	37	3.24	−0.03	0.94	T.	13	5	12	13	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	46.3	....	80	18	22	1	38	4.25	....	0.96	T.	13	14	7	9	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	46.8	−1.3	79	18	28	1	34	3.51	+0.74	1.13	0.1	14	5	10	15	nw.	U. S Weather Bureau.
Selinsgrove	Snyder	455	47	47.6	−1.8	82	18	25	1	44	4.94	+1.27	1.12	T.	14	7	10	13	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	51.4	−0.5	79	18†	28	1	35	5.05	+1.72	1.74	0	16	9	9	12	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	49.4	....	84	18†	29	1	35	9.08	....	3.69	T.	13	9	5	16	ne.	State Teachers College
State College	Center	1,217	53	46.4	−1.1	79	18	26	11†	34	6.75	+3.15	2.08	T.	14	4	15	11	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	47.5	−0.4	80	18	25	1†	44	4.81	+1.24	1.31	T.	12	13	5	12	nw.	State Normal School.
Towanda	Bradford	754	43	45.2	−1.1	69	19	23	1	36	3.85	+0.76	0.95	0.4	16	5	7	18	e.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	43.2	−1.3	72	18	19	1	36	3.62	+0.56	0.63	4.2	14	15	5	10	nw.	George W. Hill.
West Chester	Chester	455	88	50.2	+0.4	81	18	30	1	41	5.42	+1.68	2.17	T.	15	5	16	9	nw.	Harlan Saylor.
Williamsport	Lycoming	521	51	48.0	−0.9	80	18	26	1	34	5.03	+1.39	1.15	T.	14	8	6	16	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	47.8	−1.7	83	18	26	11	51	4.64	+1.16	1.07	T.	13	9	11	10	sw.	Susquehanna Collieries Co.
York	York	400	49	50.8	−0.1	88	18	25	12	46	4.20	+1.01	1.43	0	15	13	8	9	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	44.4	−0.5	76	18	19	1	41	7.01	+4.11	2.13	T.	17	5	9	16	......	Frank S. Fawcett.
Butler	Butler	1,077	24	47.0	−0.6	76	18	21	1	38	6.17	+2.80	2.56	T.	10	15	8	7	w.	William C. Faust.
Chambersville	Indiana	1,047	36	46.2	−3.0	78	18	20	1	40	7.67	+3.79	1.70	0.2	16	13	3	14	sw.	John E. Lewis.
Clairton	Allegheny	1,020	5	48.4	....	78	18	28	10†	35	5.75	....	1.47	T.	13	6	7	17	ne.	Carnegie Steel Co.
Claysville	Washington	1,150	32	49.3	−1.3	81	21	21	12	43	4.48	+1.09	0.99	T.	17	14	4	12	s.	J. L. Melvin.
Corry	Erie	1,430	24	43.4	−1.2	72	30	22	1	37	6.59	+2.97	2.05	2.0	18	12	5	13	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	40	48.6	−0.8	77	18	25	12	40	6.48	+2.75	1.36	T.	15	8	11	11	w.	Ted R. Wineman.
Donora	Washington	762	11	51.0	−0.5	82	18	29	12	37	6.93	+3.25	1.98	T	15	5	14	11	w.	Donora Zinc Works.
Ebensburg	Cambria	2,000	20	44.0	−1.1	73	18	22	11	34	5.90	+2.70	1.21	T.	16	13	5	12	w.	D. H. Jones.
Franklin	Venango	957	63	45.5	−0.5	71	18	22	1	13	6.57	+3.07	2.15	T	13	5	3	22	s.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	48.4	−1.8	83	18	27	12	37	6.50	+3.10	1.33	1.0	14	6	9	15	w.	Westmoreland Water Co.
Greenville	Mercer	950	41	47.7	+1.1	74	30	23	12	37	5.42	+1.96	1.38	0.8	15	8	5	17	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	46.4	−1.2	67	18†	26	3†	34	5.28	+1.87	1.86	T.	18	10	8	12	se.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	.....	....	.....	.....	.....	.....	....	6.62	+3.49	1.86	0	17	....	....	....	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	48.9	−0.9	82	18	26	16	38	6.80	+2.85	1.32	T.	20	9	8	13	sw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	5	43.4	....	73	18	22	11†	35	7.11	....	1.59	0.5	17	12	5	13	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	45	47.5	−2.1	77	18	25	12	36	7.64	+3.82	1.60	0.5	15	5	11	14	w.	Westmoreland Water Co.
Meadville	Crawford	1.080	43	47.0	+1.4	72	29	25	1†	34	5.17	+1.64	2.48	0.6	14	9	1	20	sw.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	49.6	....	74	18	28	1	35	6.57	....	1.31	T.	17	8	4	18	nw.	Perry P. Campbell
New Castle	Lawrence	808	57	47.0	−1.4	70	6†	22	12	38	5.66	+2.34	2.18	T.	14	10	9	11	sw.	New Castle Water Co
Newell	Fayette	800	17	48.4	−2.5	76	19	26	1	36	6.10	+3.25	1.65	0	12	12	11	7	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	47.8	−3.4	76	18	29	12	33	5.62	+2.70	1.98	T.	17	4	5	21	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	44.2	−1.4	75	18	19	1	44	5.66	+2.63	1.20	T.	15	3	7	20	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	.....	....	.....	.....	.....	.....	....	.....	....	.....	.....	....	....	....	....	......	J. D. Beachy.
Sharon‡‡	Mercer	940	24	48.2	0.0	72	5	26	12†	34	5.39	+2.35	1.51	T.	14	10	11	9	s.	Harry H. Gerber.
Somerset	Somerset	2,190	70	43.2	−2.9	73	18	21	1	41	7.20	+2.41	2.98	1.0	17	3	10	17	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	50.4	−0.8	83	18	26	1†	40	5.65	+1.92	1.27	T.	17	12	9	9	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	49.0	−1.3	82	18	25	1	39	6.17	+3.32	2.01	......	11	19	6	5	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	48	46.3	+1.6	67	30	29	1†	26	6.22	+2.60	2.40	T.	17	10	4	16	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	50.0	....	82	18	24	1	42	5.09	....	1.90	T.	13	3	17	10	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	45.2	+0.1	70	30	30	9	31	7.03	+4.30	2.50	T.	16	6	9	15	w.	U. S. Weather Bureau.
For the State	......	......	50	47.7	−0.9	89	18	19	1†	51	5.53	+2.09	3.82	0.2	14	9	8	13	nw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy, Oakford: of Sharon, Farrell: of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-6-7-37-1050.

Daily Precipitation for April, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‡	Lehigh	...	.02	...	T.	...	.73	.01	...	.12	.24	T	T.	...	...	.06	.17	...	...	.06	...	.03	1.24	.23	...	...	...	.92	.27	...	T.	...	4.10
Altoona	Juniata	...	.08	...	...	.47	.24	...	.12	.50	T.	.03	...	T.	.42	.79	.03	...	T.	...	...	.62	.68	...	...	.82	2.05	...	1.65	...	...	...	8.50
Ausonia‖‖	W. Br. Susq	...	.03	...	...	.03	.30	...	...	.63	.02	.01	T.	...	...	.21	...	...	...	.01	...	.07	.91	.29	...	...	.06	.14	.49	.16	...	...	3.36
Ardmore	Lower Del	...	.02	...	...	.46	.58	...	.03	.31	...	...	...	...	.11	.02	.02	...	.21	.31	...	.90	.32	...	...	...	1.35	.15	.45	.09	...	...	5.33
Arendtsville	Lower Susq	...	...	...	.12	1.53	...	...	.44	...	...	...	...	...	.21	.04	...	...	.19	...	...	.94	.02	...	...	1.89	3.15	.96	...	...	...	...	9.49
Baker's Summit	Juniata	.03	...	...	...	.44	.20	...	.13	.56	...	...	...	...	.18	.45	...	...	...	...	...	.29	.63	...	...	.70	3.82	.23	1.82	...	...	...	9.38
Bedford	Juniata	...	T.	...	...	.40	.41	...	.11	.82	T.	T.	...	...	.17	.26	...	...	T.	.04	...	.43	.44	...	...	1.50	3.00	.19	1.11	...	...	...	8.38
Bellefonte	W. Br. Susq	...	T.	...	T.	.08	.33	...	.23	.44	T	T.	...	T.	.12	.28	...	...	.06	T.	...	.36	.56	...	...	.07	1.17	.04	.83	...	...	...	4.57
Bethlehem	Lehigh	...	.01	...	...	T.	.92	...	T.	.29	.04	T.	...	...	...	.10	.16	...	...	.10	...	.89	.83	.18	...	...	T.	.74	.19	...	...	...	3.95
Big Knob	Middle Susq	...	...	...	...	.08	.81	...	...	.36	.04	T.	...	...	...	.40	...	...	...	.03	...	.14	.97	.05	...	.02	1.00	2.82	2.05	...	...	...	8.77
Bloserville‡‡	Lower Susq	...	...	...	...	...	.60	...	...	.45	...	...	...	.05	...	.37	...	...	...	...	...	.45	.95	...	...	.40	2.85	1.40	...	...	...	...	7.52
Buffalo Mills‖‖	Juniata	...	...	...	...	.12	.41	...	...	.32	...	...	...	...	.12	.35	...	...	...	...	...	.32	.87	.10	...	...	3.72	.60	.65	...	...	...	7.06
Carlisle	Lower Susq	...	...	...	...	.38	.28	...	.18	.44	T.	T.	...	...	.03	.29	...	...	T.	.03	...	.60	.63	...	...	.19	2.19	.15	.98	.01	...	...	6.38
Catawissa	N. Br. Susq	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
Center Hall	Susquehanna	...	...	...	...	.18	2.17	...	...	...	...	...	...	...	.42	1.12	...	...	...	...	...	.34	1.25	...	...	.42	1.34	...	.37	...	...	...	7.61
Chambersburg	Potomac	...	...	...	...	.96	.19	...	.39	.28	...	T.	...	...	.02	.23	...	...	T.	.09	...	.44	.39	...	...	.91	1.54	.17	.98	...	...	...	6.59
Clearfield	W. Br. Susq	...	.10	...	...	.30	.40	...	.04	.50	T.	T.	...	...	.25	.39	...	...	T.	...	...	.45	.45	...	...	.35	1.55	.35	1.40	.10	...	...	6.64
Coatesville	Lower Del	...	T.	...	...	.38	.72	...	T.	.32	...	T.	...	...	.05	.30	...	...	.04	...	...	.57	.66	...	...	...	1.73	.40	.34	.10	...	...	5.61
Colebrook	Lower Susq	...	...	...	...	.18	.30	...	.04	.35	.01	T.	...	...	.08	.28	...	...	.15	.01	...	.34	.79	...	...	T.	.99	.06	.38	.09	...	...	4.05
Conshohocken	Schuylkill	...	.07	...	...	.14	.33	...	...	.29	...	T.	...	...	T.	.05	...	...	...	...	...	.72	.70	...	...	...	.66	.71	.34	.01	...	...	4.02
Doylestown	Lower Del	...	.01	...	...	.02	.93	...	...	.27	...	...	...	...	...	.12	...	...	...	.13	...	.44	.64	.22	...	...	.02	1.59	.15	.10	...	...	4.64
Emporium	W. Br. Susq	...	...	...	...	.15	.23	...	.03	.45	T.	...	...	T.	.01	.40	.03	...	.04	.02	...	.68	.86	T.	...	.30	1.04	.10	1.23	.05	...	...	5.62
Ephrata	Lower Susq	...	T.	...	...	.13	.70	...	T.	.24	T.	.02	...	...	T.	.29	...	...	...	.14	...	.39	1.15	...	...	T.	.67	.20	.25	.10	...	...	4.28
Forest City	N. Br. Susq	...	.02	.05	T.	T.	.84	.02	...	.36	.28	T.	T.	...	...	.37	.14	...	.14	.08	...	...	1.77	.54	T.	...	...	.34	.24	.05	...	...	5.24
Freeland‖‖	Lehigh	...	.02	...	T.	.01	.85	T.	...	.30	.28	.01	.06	...	...	.73	.20	...	...	...	...	.03	1.10	.23	...	...	...	.50	.48	...	...	...	4.81
Galeton	N. Br. Susq	.02	...	...	T.	.13	.93	...	.09	.43	T.	T.	T.	T.	.05	.27	.04	T.	.04	T.	...	.80	.61	...	...	.06	.11	.19	.68	.15	...	...	4.60
George School	Lower Del	...	.05	...	...	.08	.84	T.	...	.37	.02	T.	.02	...	...	.01	.06	...	...	...	.11	.52	.49	.17	...	...	.15	1.20	.24	.14	...	...	4.47
Gettysburg	Potomac	...	...	...	...	.81	.42	...	.06	.22	T.	T.	...	T.	.03	.32	...	...	...	.03	...	.43	.47	...	...	.60	2.65	.33	.90	...	...	...	7.27
Girardville‖‖	Lower Susq	...	...	...	T.	1.33	...	...	.07	.41	.01	.08	...	...	.50	.08	...	...	.02	...	...	1.25	.20	...	...	T.	.56	.65	.02	...	...	...	5.18
Gordon	Lower Susq	...	...	...	T.	.28	1.28	...	...	.46	T	T.	...	...	T.	.60	...	...	...	.09	...	.35	.82	.06	...	...	.14	.60	.61	T.	...	...	5.29
Gouldsboro‡‡	Lehigh	...	...	...	...	.40	.75	...	...	.15	.05	...	T.	...	...	.64	.12	...	...	.07	...	...	.85	.42	...	...	...	.68	.38	...	...	...	4.51
Graterford	Schuylkill	...	...	...	...	T.	...	...	...	.15	.03	T.	...	...	.01	.11	...	...	...	.59	...	.48	.18	...	...	...	.02	.66	.43	.11	...	...	2.78
Hamburg	Schuylkill	...	...	...	...	.16	.97	...	.09	.40	T.	T.	...	...	...	.18	T	...	...	.01	...	.65	1.29	...	...	...	.37	.74	.53	.02	...	...	5.41
Hanover	Lower Susq	...	...	...	T.	.11	.35	...	.01	.14	T.	T.	...	...	.05	.31	...	...	...	.15	...	.50	.37	T.	...	.15	2.30	.13	.51	...	...	...	5.09
Harrisburg***	Lower Susq	...	...	...	T.	.58	.12	...	.21	.33	T.	T.	...	...	.04	.20	...	...	.01	...	...	.85	.40	...	T.	.06	1.09	.56	.12	.01	...	...	4.58
Hawley‖‖	Upper Del	...	T.	T.	...	.01	.65	.02	...	.21	.40	T.	T.	...	...	.38	.39	T.	T.	.10	...	...	1.42	.27	...	...	...	.37	.27	.03	...	...	4.53
Hollisterville	Upper Del	...	...	.03	...	T.	.63	...	...	.38	.49	.02	T.	...	...	.68	.36	...	...	...	...	...	1.61	.38	...	...	...	.95	.08	.04	...	...	5.65
Holtwood‡‡	Lower Susq	...	T.	...	...	T.	1.02	...	...	.08	.07	...	.04	...	...	.08	.15	...	...	...	...	.25	.92	.02	...	.03	.24	1.18	.38	.01	...	...	4.47
Huntingdon	Juniata	...	T.	...	.02	.20	.18	...	.28	.27	T.	T.	...	...	.15	.51	...	...	.03	...	...	.45	.48	...	...	.61	3.14	.28	1.24	...	...	...	7.84
Hyndman	Potomac	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
Kylertown	W. B. Susq	...	.03	...	T.	.15	.22	T.	.15	.54	T.	.01	...	T.	.14	.26	T.	...	.01	.01	...	.53	.64	T.	T.	.34	1.68	.24	.93	.02	...	...	5.90
Lakeville‖‖	Upper Del	...	...	...	...	.10	.71	.05	...	.50	.31	T.	...	...	...	.39	.41	...	...	.12	...	...	1.12	.30	...	...	...	.41	.28	.18	...	...	4.88
Lancaster	Lower Susq	...	T.	...	...	.01	.80	...	.01	.17	T.	...	...	...	T.	.11	.09	...	.47	...	...	.35	.88	...	...	.02	.76	.70	.56	.10	...	...	4.53
Lansford‖‖	Lehigh	...	T.	...	T	T.	2.05	...	...	.28	.22	T.	.02	...	...	.64	.10	...	...	.02	...	T.	1.54	.22	...	...	...	.61	.62	...	...	...	6.32
Lawrenceville	N. Br. Susq	...	...	T.	...	T.	.25	...	.05	55	T.	...	...	...	.10	.50	.05	...	.15	...	.75	.58	.20	T.	...	.05	...	.33	.40	T.	...	...	3.96
Lebanon	Lower Susq	...	...	T.	T.	.54	...	...	.40	.16	...	T.	...	T.	.28	.03	...	T.	.07	...	.05	1.16	.14	...	.01	.13	.97	.51	.08	...	...	...	4.53
Lehighton‖‖	Lehigh	...	...	...	...	...	2.23	...	...	.20	.30	...	...	...	...	.40	T.	...	...	...	...	.05	1.38	...	...	...	...	.73	.40	...	...	...	5.69
Lock Haven	W. Br. Susq	...	.03	...	...	.16	.19	...	...	.79	T.	T.	...	...	...	.37	.02	...	...	.09	...	.59	.73	.02	...	.04	.84	.26	.50	.03	...	...	4.66
Marcus Hook	Lower Del	...	.03	...	...	*	.67	...	...	*	.11	.02	...	...	...	.05	...	...	...	...	...	*	1.03	.11	...	...	*	1.20	.15	...	...	...	3.37
Matamoras‖‖	Upper Del	...	...	...	...	...	1.15	...	...	.06	.35	...	...	...	...	.30	.14	...	...	...	...	...	.98	.22	...	...	...	.18	.33	...	...	...	3.71
Mifflintown	Juniata	...	...	...	...	.36	.29	...	.32	.18	T.	T.	...	...	.37	.21	...	...	.09	...	...	1.20	.13	...	...	.23	2.10	1.24	...	...	...	...	6.72
Montrose	N. Br. Susq	...	.02	...	...	.06	.14	...	.08	.67	...	.06	...	...	.03	.37	.08	...	.35	...	...	.79	.92	.10	...	...	...	.27	.28	.03	...	...	4.25
Morris Run	N. Br. Susq	...	.03	...	...	.20	.38	...	.03	.60	.06	.06	...	...	.08	.28	.08	...	...	.04	...	.54	.56	.04	...	.03	.02	.55	62	.10	...	...	4.30
Mount Pocono	Upper Del	...	T.	...	T.	.25	2.10	...	T.	.30	...	.10	...	...	.01	.10	.06	...	...	...	T.	.25	.10	.06	...	...	...	2.10	.50	...	...	...	5.93
Muncy Valley	W. Br. Susq	...	T.	...	...	.01	1.37	...	T.	.74	T.	...	...	...	T.	.76	.10	...	.14	...	...	.62	.90	.09	...	T.	.49	.68	.15	...	...	...	6.05
Neshaminy‖‖	Lower Del	...	.08	...	...	.25	.71	...	.04	.34	T.	T.	...	...	.04	.08	...	...	.11	...	...	.90	.48	...	...	...	1.35	.25	.43	.13	...	...	5.19
New Park	Lower Susq	...	...	...	...	.33	1.51	...	...	.25	...	...	...	...	...	.22	...	...	...	...	...	1.38	...	...	...	.07	2.20	.70	...	...	...	...	6.66
Newport‖‖	Juniata	...	...	...	...	.12	.96	...	...	.33	.05	...	...	...	...	.38	.03	...	...	.05	...	.08	1.65	.15	...	...	.42	1.13	.65	...	...	...	6.00
Palmerton‡	Lehigh	...	T.	...	...	.87	1.08	...	.03	.34	...	T.	...	...	.12	.20	...	...	.01	...	...	.60	.70	...	...	...	.31	.27	.26	T.	...	...	4.79
Paupack‖‖	Upper Del	...	...	...	...	...	.95	...	...	.30	.23	...	...	...	...	.40	...	...	...	.12	...	...	1.25	.28	...	...	*	.44	.27	...	...	...	4.24
Philadelphia***	Lower Del	...	.05	...	...	.21	.30	...	.01	.21	T.	T.	...	T.	.01	.03	...	...	.26	...	...	1.02	.44	...	...	...	1.51	.11	.20	.02	...	...	4.38
Phila. Navy Yard‖‖	Lower Del	...	.05	...	...	...	.84	...	...	.05	.11	T.	T.	...	T.	.04	.02	...	...	.04	...	T.	.76	.37	...	...	*	1.05	.43	.01	...	...	3.77
Phila-P'nt Breeze.‡	Lower Del	...	.08	...	...	.78	...	...	...	.16	T.	T.	...	...	*	.10	...	...	.12	...	...	.06	1.44	...	...	T.	1.46	.18	...	.04	...	...	4.42
Phoenixville	Schuylkill	...	T.	...	...	T.	.59	...	...	.15	.14	...	T.	...	...	.02	.09	...	...	.34	...	.58	.76	.13	...	...	.20	1.10	.30	.20	...	...	4.60
Pine Grove	Lower Susq	...	...	...	...	1.00	.18	...	.20	.18	T.	...	...	...	.17	.05	...	...	.01	...	...	1.15	.22	...	...	.02	.80	.20	.40	.02	...	...	4.60
Pleasant Mt.‖‖	Upper Del	...	.09	.10	...	1.10	...	...	...	.72	...	.12	...	*	.45	.09	...	...	.23	...	...	T.	2.11	...	...	...	...	...	.65	.04	...	...	5.70
Pottstown	Schuylkill	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
Pottsville	Schuylkill	...	...	...	...	.07	1.32	...	.02	.31	.02	...	.01	...	.23	...	.11	...	...	...	...	.78	.87	.15	...	...	.14	.71	.60	.01	...	...	5.35
Quakertown	Lower Del	...	T.	...	...	T.	.67	...	...	.41	.02	...	...	...	...	.18	...	...	...	.19	...	.45	.63	.16	...	...	.19	1.11	.27	...	...	...	4.28
Reading***	Schuylkill	...	T.	...	T.	.28	.26	...	.01	.17	T.	T.	...	...	.02	.14	...	...	.16	...	...	.31	.84	...	...	T.	.75	.15	.10	.05	...	...	3.24
Renovo.‖‖	W. Br. Susq	...	.03	...	...	.08	.65	...	...	.77	.05	...	...	...	...	.49	...	.05	...	.05	...	.17	.80	.32	...	...	.34	.55	.80	.09	...	...	5.24
Retreat	N. Br. Susq	...	T.	...	...	.14	.25	...	.14	.46	...	T.	...	...	.32	.58	...	...	.02	...	...	.80	.96	...	...	...	.08	.09	.39	.02	...	...	4.25
Scranton***	N. Br. Susq	...	T.	.01	T.	.09	.22	...	.16	.43	T.	.02	...	...	.34	.39	...	...	.08	T.	...	.65	.72	T.	...	...	.05	.08	.27	T.	...	...	3.51
Selinsgrove	Lower Susq	...	.10	...	...	.16	.33	...	.17	.44	T	T	...	...	.56	.25	...	...	...	...	...	.56	1.12	.61	...	.05	.30	.06	.23	...	...	...	4.94
Shawmont	Schuylkill	...	.05	...	...	.06	1.02	...	...	.32	.04	...	...	...	.01	.06	.05	...	...	.18	...	.79	.22	.11	...	...	.37	1.37	.25	.15	...	...	5.05
Shippensburg	Lower Susq	...	...	...	...	.48	.18	...	.20	.42	T.	T.	...	T.	.05	.36	...	...	...	.06	...	.64	.47	...	...	.20	3.69	1.80	.53	...	...	...	9.08
State College	W. Br. Susq	...	.02	...	...	.15	.44	...	.27	.46	T.	T.	...	.03	.15	.51	...	...	T	...	...	.59	.56	T.	...	.16	2.08	.21	1.12	...	...	...	6.75
Stroudsburg‖‖	Upper Del	...	.01	T.	...	T.	1.11	...	...	.04	.41	...	...	...	...	.21	.13	...	.02	...	...	.02	1.31	.19	...	...	...	.97	.39	T.	...	...	4.81
Sunbury‖‖	Lower Susq	...	...	...	...	.05	.45	...	...	.46	.17	T.	T.	...	...	.52	.06	...	...	T	...	T.	.84	.28	...	...	.05	.55	.56	T.	...	...	3.99
Susquehanna‖‖	N. Br. Susq	...	.03	.02	...	.01	.21	...	...	.37	.30	.15	...	...	...	.37	.25	...	.14	.23	...	...	.92	.29	...	...	...	.01	.06	T.	...	...	3.36
Towanda	N. Br. Susq	...	T.	T.	T.	.01	.25	...	.19	.54	T.	.03	T.	T.	.05	.20	.09	T.	.10	.01	...	.95	.70	.06	...	...	T	.23	.35	.09	...	...	3.85
Weikert	Lower Susq	...	.05	...	...	.50	.45	...	...	1.05	...	...	...	...	...	.24	.48	...	.06	...	...	...	*	.62	.78	...	1.20	.26	...	...	...	...	5.69
Wellsboro	N. Br. Susq	...	...	...	...	.05	.63	...	.13	.60	.04	T.	...	.09	T.	T.	.15	T.	.02	...	...	.60	.63	T.	...	T.	.09	.04	.43	.12	...	...	3.62
West Chester	Lower Del	...	.02	...	...	.18	.77	...	.04	.27	.01	.03	...	...	T.	.10	.13	...	...	...	...	.60	.65	T.	...	...	1.27	.90	.35	.10	...	...	5.42
Westgrove‖‖	Lower Del	...	.02	...	...	...	1.23	...	...	.08	.17	...	...	...	...	.09	.07	...	...	...	...	.07	.84	.02	...	.78	.29	...	...	...	...	...	3.66
Wilkes-Barre‖‖	N. Br. Susq	...	T.	...	...	T.	.18	.13	...	.25	.27	T.	T.	T.	...	.51	.33	...	...	.10	T.	...	1.33	.27	.02	...	...	.02	.40	.12	...	...	3.93
Williamsport‖‖	W. Br. Susq	...	T.	...	...	.06	1.15	...	...	.58	.05	...	...	...	...	.27	.01	...	...	.05	...	.05	.95	.33	...	...	.02	.82	.65	.04	...	...	5.03
Williamstown	Lower Susq	...	...	...	...	.17	1.07	...	.01	.40	.01	T.	...	...	...	.48	...	...	...	.03	...	.31	.54	.06	...	...	.66	.25	.65	...	...	...	4.64
York	Lower Susq	...	...	...	...	.05	.32	...	.02	.17	.02	...	...	T.	T.	.18	...	...	...	.13	...	.34	.52	.02	...	.09	1.43	.02	.87	.02	...	...	4.20
York Haven‖‖	Lower Susq	...	...	...	...	...	.38	...	...	.23	.03	...	...	...	...	.17	.05	...	...	.18	...	.10	.82	.05	...	...	.23	1.00	55	.07	...	...	3.86
Zionsville..(near)	Schuylkill	...	...	...	...	...	.85	...	...	.32	.05	...	...	...	...	.08	.31	...	...	.16	...	.51	.80	.18	...	T.	.30	1.20	.41	T	...	...	5.18
Trenton, N. J***	Lower Del	...	.05	...	T.	.11	.51	T.	.06	.30	T.	T.	...	...	.03	.03	...	...	.10	.01	...	.92	.43	...	...	...	1.00	.31	.28	.17	...	...	4.31

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver		.04		.02	.04	.14			.43	T.	T.	T.	T.	.16	.95	T.			.11		.13	.98	.02		.04	2.12	.40	.12				5.70
Blairsville	Allegheny		.07		.04	.06	.04		.67	.12	.04	.03			.34	.91						.36	1.13			.17	2.13	.07	.25	.02			6.45
Bradford	Allegheny					.20	.16		.16	.24	T.	T.			.09	.89	.06	T.	.12	.01		.41	.62	.01		.30	1.14	.12	1.23	.15			5.91
Brookville‖‖	Allegheny		.13		.03	.18	.16	T.		.39	T	.02	.03			.60	T.			.08		.14	1.27	.26		.34	2.13	.37	.75	.13			7.01
Butler	Ohio		.02				.19			.45						.83				.10		.95	.80			*	2.70	.13					6.17
Chambersville	Allegheny		.33		.01	.14	.31		.01	.41	.01	.03			1.70					.05		.59	.98			1.30	1.39	.08	.33				7.67
Clairton‡	Monongahela		.02			.08			.25	.04	T.	T.		.30	.60	T.			.03			.82	.52		.02	1.47	1.14	.46					5.75
Clarion	Allegheny																																
Claysville	Ohio		.05	.03	.04	.05	.14		.15	.31	T.	.01			.23	.43				.05		.31	.52			.89	.99	.14	.14				4.48
Confluence‖‖	Youghiogheny		.05			.10	.05			.40	T.	.05	.15		.05	.75	.15			.12		.33	.41	.19		.20	1.78	.30	.10				5.18
Connellsville	Monongahela		.03		T.	.01	.01			.63	T.	T.	T.		.13	.84				.02		.17	1.09	.01		.01	1.69	.36	.01	T.			5.01
Corry	Allegheny		.09			.02	.32		.05	.28	.03	.04			.03	.51	.36		.06			.47	.39			.95	2.05	.19	.73	.02			6.59
Coudersport	Allegheny		.03			.18	.35		.03	.53	T.	T.			.09	.43	.03		.10			.60	.73			.19	.44	.09	.89	.18			4.89
Derry	Conemaugh		.09		.11	.11	.05		.23	.41	T.	T.			.60	.96			.03			.48	.97			.95	1.36	.08	.05				6.48
Donora‖‖	Monongahela		.05		.09	.02	.05		T.	.41		.42	T.		.43	.52				.05		.46	1.53			.42	1.98	.48	.02				6.93
Du Bois	Allegheny		.12			.16	.25	T.	.04	.43	T.	T.		T.	.16	.17			T.	.09		.40	.81	.02		.52	1.50	.36	1.28	.15			6.46
Ebensburg	Conemaugh		.14		.01	.15	.25			.74	.04	.01				.92	.04			.03		.04	.75	.35		.06	1.21	T.	1.16				5.90
Franklin‖‖	Allegheny		.10			.13	.38			.36						.94				.05		.08	1.18	.29			2.15	.62	.20	.09			6.57
Greensboro‖‖	Monongahela		.02		.03	.03	.05	T.		.51	.03	T.			.06	.51				.10		.13	1.11	.33		.13	1.92	.22	.13				5.31
Greensburg	Youghiogheny		T.	T.		.05	.14		.19	.32	.02	.02			.65	.72	T.		.06	T.		.46	1.33			1.30	1.18	.06	T.				6.50
Greenville	Beaver		.02			T.	.28		.14	.18	.08			T.	.03	.70	.04		T.			.58	.62			1.12	1.38	.15	.05	.05			5.42
Grove City	Beaver	.01				.07	.20		.15	.15	T.				.21	.39	.02		.05	.02		.63	.57	.01		.59	1.86	.26	.08	.01			5.28
Herrs Isl. Dam‖‖	Ohio		.05		.08	.09	.10			.20	T.	T.			.43	.96	.01			.03		.18	.87	.01		.02	2.05	.77	.15				6.00
irwin	Monongahela		.05	T.	.05	.14	.04		.15	.35	.01	.02			.58	.70			.01	.03		.30	1.25			.97	1.86	.11	T.	T.			6.62
Johnstown	Conemaugh		.15	T.	.15	.10	.19		.21	.48	.03	.05			.43	1.08	.01		.09	.02		.58	.42	.26		1.32	.89	.11	.23				6.80
Kane (near) ‡‡	Allegheny		.15			.41	.23		.08	.39	.07	.05			.19	.68	.05		T.			.66	.93			.22	1.22	.25	1.39	.14			7.11
Kregar‖‖	Youghiogheny	.09		.11	.03	.20			.56	.07	.05	.02		.48	.88	.08			.04		.11	.47	.26		.05	3.13	.12	.16					6.91
Lake Lynn‖‖	Monongahela		.06			.01	.10			.24	.06	.04			.03	.28	.01			.19		.14	.96	.23		.22	1.70	.19	.14	.01			4.61
Linesville‖‖	Beaver		.14			.02	.08			.10						.54	.06		.01			.70	.08			1.64		.14					3.51
Lock No. 2‖‖	Ohio		.05		.07	.06	.13			.26					.43	1.10				.08		.29	.59			.07	2.29	.34	.11				5.87
Lock No. 4‖‖	Monongahela		.07		.16	.05	.09			.49	.03	T.	T.		.44	.56				.10		.44	1.82	.10		.03	2.06	.44	.09				6.97
Lock No. 5‡‡‖‖	Allegheny		.03		T.	.08	.11			.28	.01	.02	T.		.20	1.06	.01			.10		.13	1.12	.03		.06	2.67	.30	.06				6.27
Lycippus	Conemaugh		.10	T.	.20	.20			.26	.55	T.	.03			.70	.90			.04	.10		.51	1.15			1.20	1.60	.10					7.64
McKeesport‖‖	Monongahela		T.		.01	T.	T.			.27	T.	T.	T.		.48	.61				.02		.15	1.05			.01	2.00	.76	.03				5.39
Meadville	Allegheny		.15				.20		.07	.14	.02	.04				.72	.04					.42	.39			.09	2.48	.31	.10				5.17
Midland	Ohio		.07	*	.06	.06	.37		.12	.27	T.				.81	.72	T.		.04	.08		.58	1.08	.01		.84	1.31	.15					6.57
Mosgrove‖‖	Allegheny		.05			.05	.13			.34	T.	T.	T.		.01	.65				.07		.13	1.48	.15		.06	2.17	.43	.13				5.85
Mount Lebanon	Ohio		T.	.10	T.	T.	.05		.23	.08	T.	T.			1.09	.23			.04	T.		.60	.55			1.96	.89	.14	T.				5.96
Natrona‖‖	Allegheny		.10		.02	.10	.06			.24	.01	.01	T.		31	1.20	T.			.06		.15	1.40	.06		.02	2.39	.39	.10				6.62
New Castle‖‖	Beaver		.08		T.	.07	.20	T.		.48	T.	T.	T.	T.	T.	.58	.04	T.		.13		.66	.49	.04	T.	.04	2.18	.55	.12	T.			5.66
Newell	Monongahela					.30	.07			.35					.20	.65				.03	.28	1.65			1.10	1.40	.02	.05					6.10
Parkers Landing‖‖	Allegheuy		.06			.08	.25			.38	.02	T.	T.	T.	T.	.52	T.			.05	T.	.10	1.23	.14		T.	2.05	.46	.13	T.			5.47
Pennline‖‖‡‡	Beaver		.12			.03	.12			.12	.01	.03				.49	.14		T.	.03		.07	.84	.17			2.20	.52	.11	.02			5.02
Pittsburgh***	Ohio		.03	.07	T.	.04	.02		.23	.10	.01	.01		.01	.87	.21	T.		.02	T.		.99	.40		T.	1.54	1.00	.07	T.				5.62
Punxsutawney‖‖	Allegheny		.07		T	.07	.21			.51	.02	.03				.86				.07		.13	1.00	.20		.33	1.81	.44	.81				6.56
Ridgway	Allegheny		.07			.13	.08			.45	.04	T.	T.			.44	.04			.07	T.	.12	.81	.25			1.20	.53	1.13	.30			5.66
Salisbury (near)	Youghiogheny																																
Saltsburg‖‖	Conemaugh		.04		.04	.08	.05			.30	T.	T	T.		.40	.94	T.			T.		.10	1.25	.07		.25	2.78	.22	.05	T.			6.52
Sharon‖‖	Beaver		.07			.01	.35			.24	T.					.90	.04			.08		.18	.98	.08		.49	1.51	.38	.08				5.39
Smethport‖‖	Allegheny					.04	.30		T	.05				.05	.30	.40						.05	1.10	.23	.05		.57	.78	.92	.33			5.17
Somerset	Youghiogheny		.12	.05	.01	.09	.08		.11	.31	.07	.10			.53	.60						.27	.54			1.02	2.98	.17	.15				7.20
Springdale‖‖‡‡	Allegheny		.05		.07	.07	.09			.25	.02	T.			.35	1.09				.07		.22	1.08	T.		.02	2.06	.59	.09				6.12
Uniontown	Monongahela		.08	.07		.08			.27	.44	.01	.02			.18	.56			.08	.06		.19	1.12			1.27	1.14	.07	.01				5.65
Unity Reservoir‡‡	Youghiogheny		.06	.02	.11	.10	.07		.21	.34	.02	.03		T.	.68	.83			.02	.03		.51	1.10			1.33	1.28	.05					6.79
Vandergrift‡	Conemaugh			T.	T.	T.			.14	.08				T	1.27	.23			.05			1.07	.21		.01	2.00	1.08	.03					6.17
Warren	Allegheny		.12			.05	.15			.20	.03	.03			.04	.70			.05	.02		.50	.38	.06			2.40	.22	1.20	.07			6.22
Waynesburg	Monongahela		.11			.10	.12		.22	.40	T.	T.			.22	.52				.06		.18	1.14			.86	1.04	.12					5.09
Westford‖‖	Beaver	.11			.02	.06			.12	T.					.62		.03					.76	.15		.03	2.00	.45	.18					4.53
West Newton‖‖	Youghiogheny		.03		.10	.02	.02			.37	.02				.36	.54				.02		.41	1.36	.02		.03	1.98	.73	.05				6.06
Lake Drainage.																																	
Erie***	Lake Erie		.06		.04	.02	.09		.04	.01	T.				1.20	.90		T.	.39			.64	.11	T.		1.30	1.57	.02	.63	.01			7.03

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	29.96	30.41	12	29.43	15	14.9	43	se.	24	74	68	68	44
Harrisburg	29.99	30.47	30	29.53	15	9.2	28	sw.	14	67	50	53	52
Philadelphia	30.01	30.50	4	29 53	9	15.2	40	s.	6	67	49	55	54
Pittsburgh	29.95	30.43	12	29.51	21	13.3	34	w.	15	76	63	62	58
Reading	30.00	30.46	30	29.54	9	15.0	43	se.	21	67	52	54	49
Scranton	30.01	30.46	4	29.49	15	8.0	30	nw.	18	74	54	56	48

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	5.4	9.0	7	3.9	1	18
Easton	Delaware	6.8	11.2	8	4.0	1	22
Lehighton	Lehigh	4.6	6.3	6	3.6	5	7
Wilkes-Barre	Susquehanna	10.8	16.3	24	6.1	1	20
Williamsport	Susquehanna	6.6	16.2	29	3.2	5	20
Harrisburg	Susquehanna	7.6	13.3	28	5.0	2	18
Greensboro	Monongahela	14.1	33.1	26	11.5	5	30
West Newton	Youghiogheny	3.3	20.6	26	1.2	5	20
Lock No. 4	Monongahela	14.7	32.8	27	11.6	12	30
Pittsburgh	Ohio		35.1*	27	12.3*	6	25
Midland	Ohio		44.4	27	10.7*	3	30

* —Pool stage.

Daily Temperatures for April, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	58	54	49	52	52	59	54	50	43	43	41	55	64	66	64	53	65	78	66	68	58	46	58	53	46	40	44	51	61	63	....	55.1
	Minimum	25	39	29	36	38	40	33	33	35	29	24	26	32	47	50	34	27	44	42	37	40	37	30	42	35	37	37	34	36	41	....	35.6
Bedford	Maximum	61	59	54	52	55	58	55	55	47	39	42	56	65	70	66	57	65	83	70	73	71	52	67	63	48	44	48	52	66	65	....	58.6
	Minimum	24	34	34	38	41	45	35	33	38	31	31	26	27	47	53	36	26	39	41	43	43	41	40	42	38	39	39	36	36	44	....	37.3
Bethlehem	Maximum	58	58	54	49	53	66	61	56	52	40	44	56	63	72	71	70	66	79	82	69	67	47	54	58	56	54	52	61	70	71	....	60.3
	Minimum	35	40	34	36	38	48	38	37	40	33	31	34	34	50	54	40	35	41	46	50	40	40	41	39	39	42	40	46	48	44	....	40.4
Brookville	Maximum	55	48	50	54	59	46	55	48	44	37	42	56	66	62	65	55	64	76	65	67	47	48	55	55	48	43	50	53	66	68	....	54.9
	Minimum	19	35	24	32	43	45	31	36	36	28	25	21	25	33	51	37	24	35	39	28	38	39	36	40	39	35	35	39	37	34	....	33.8
Butler	Maximum	56	54	48	50	64	65	56	56	46	39	60	53	64	64	58	51	59	76	66	67	65	56	68	65	59	45	49	53	60	70	....	58.1
	Minimum	21	36	27	30	40	39	35	38	36	28	32	30	28	49	51	33	27	38	35	31	41	38	40	40	40	38	37	37	35	45	....	35.8
Carlisle	Maximum	64	60	55	56	55	64	61	58	48	45	50	63	67	75	70	68	66	88	81	76	70	52	61	59	62	48	54	59	68	68	....	62.4
	Minimum	27	39	31	40	40	54	38	34	38	32	30	31	27	45	51	41	29	40	45	47	43	41	42	42	41	38	38	41	41	38	....	38.8
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Chambersburg	Maximum	54	58	57	54	55	61	58	47	46	43	47	60	64	74	71	61	69	87	73	77	67	57	62	58	49	44	51	56	66	68	....	60.0
	Minimum	27	39	37	39	40	49	37	36	39	33	32	32	30	49	53	40	29	40	45	44	43	41	43	41	38	38	38	38	44	43	....	39.2
Chambersville	Maximum	57	56	48	57	61	60	55	55	48	48	43	55	65	63	61	55	65	78	67	68	62	51	59	57	51	43	52	52	63	66	....	57.4
	Minimum	20	35	25	38	41	40	32	34	30	27	24	22	27	46	45	32	25	46	46	33	39	36	37	44	38	36	35	37	36	44	....	35.0
Claysville	Maximum	59	58	52	70	73	68	55	53	46	40	45	59	67	67	61	55	72	80	69	70	81	64	73	73	60	49	52	56	63	68	....	61.9
	Minimum	22	37	33	33	47	41	35	35	34	26	29	21	32	47	42	33	29	58	36	36	45	39	34	48	43	39	37	36	32	42	....	36.7
Clearfield	Maximum	58	50	58	58	57	62	57	59	43	38	46	60	64	66	67	60	64	74	70	72	67	59	65	60	45	42	48	49	68	65	....	58.4
	Minimum	20	36	26	32	35	40	29	32	32	28	26	24	26	44	51	34	25	40	38	30	35	32	32	36	35	33	34	34	38	41	....	33.3
Coatesville	Maximum	57	59	54	54	62	55	53	57	48	43	46	56	53	67	66	66	62	72	67	58	56	43	51	50	56	46	50	51	60	53	....	54.7
	Minimum	29	34	33	38	38	52	38	34	40	32	31	33	30	48	52	41	32	38	45	47	41	41	39	40	40	38	39	45	46	41	....	39.2
Corry	Maximum	54	44	47	52	63	58	55	55	43	34	34	57	66	61	56	48	55	45	66	63	54	47	55	60	45	40	55	47	66	72	....	53.2
	Minimum	22	33	28	36	38	33	26	33	31	25	27	28	31	45	32	30	40	34	29	30	40	36	36	40	37	33	32	40	41	44	....	33.7
Emporium	Maximum	57	53	52	59	55	58	56	52	45	35	44	58	64	64	66	55	61	77	67	67	63	48	50	57	52	44	49	49	68	69	....	56.5
	Minimum	19	38	30	38	42	39	34	30	33	28	28	19	24	42	50	35	22	43	35	29	38	38	39	42	38	35	35	38	40	36	....	34.6
Erie*	Maximum	51	50	43	43	65	58	47	45	40	36	41	51	66	57	48	42	67	68	63	51	49	49	46	61	52	43	57	45	55	70	....	52.6
	Minimum	32	34	31	41	48	35	32	36	30	31	32	32	45	44	33	33	36	39	40	39	42	39	38	42	43	35	40	41	42	51	....	37.9
Franklin‡	Maximum	55	47	51	63	65	45	55	52	40	37	41	57	67	65	62	52	64	71	67	65	50	49	51	59	46	45	54	55	66	69	....	55.5
	Minimum	22	24	28	29	42	43	30	31	36	29	28	25	27	35	52	34	29	33	35	33	34	42	46	45	37	43	42	40	43	48	....	35.5
Freeland	Maximum	50	49	43	44	46	59	52	48	41	33	35	50	55	61	63	53	58	77	63	62	55	46	45	52	51	46	47	51	62	65	....	52.1
	Minimum	27	35	36	30	31	45	30	35	30	25	25	27	34	47	50	31	29	40	39	40	35	35	33	32	34	36	34	37	40	38	....	34.7
Gettysburg	Maximum	59	60	56	53	56	65	57	56	49	44	48	59	63	74	66	66	64	88	84	76	71	56	64	60	51	47	56	60	65	67	....	61.3
	Minimum	29	40	40	38	41	55	38	37	41	33	31	34	30	49	53	42	33	43	49	48	43	42	42	42	39	39	39	40	45	41	....	40.5
Greensburg	Maximum	57	55	49	61	65	64	55	51	45	37	42	57	65	62	62	53	69	83	67	69	67	55	67	70	64	44	53	52	66	69	....	59.2
	Minimum	28	35	32	31	29	41	36	39	37	30	31	27	31	45	41	31	32	57	42	41	46	40	38	47	42	40	40	39	36	47	....	37.7
Grove City	Maximum	54	52	48	61	65	62	55	50	43	40	41	56	64	59	56	54	66	67	67	67	52	49	67	58	53	44	46	51	55	65	....	55.6
	Minimum	27	40	26	31	49	35	31	38	33	30	33	26	40	49	35	32	32	33	44	42	39	37	37	51	40	35	36	35	43	57	....	37.2
Hamburg	Maximum	54	49	51	46	52	54	54	53	46	39	40	53	59	72	64	59	59	80	78	67	60	44	54	56	52	50	51	62	65	65	....	56.3
	Minimum	30	39	33	38	38	52	38	35	38	32	32	34	30	47	53	40	37	41	46	46	40	40	41	40	39	40	37	44	43	45	....	39.6
Harrisburg*	Maximum	58	56	51	52	58	64	57	54	46	42	45	59	62	72	67	52	63	84	70	72	54	50	58	54	51	46	53	56	65	64	....	57.8
	Minimum	33	42	37	41	40	44	39	41	38	36	34	36	35	50	47	42	39	44	50	51	42	42	44	42	42	39	39	44	46	47	....	41.5
Hawley	Maximum	50	49	46	43	43	64	53	51	42	35	48	53	60	62	65	51	62	78	66	60	54	42	50	61	60	54	48	56	65	70	....	54.5
	Minimum	19	28	22	21	32	42	32	25	31	27	27	22	21	40	49	35	23	38	39	36	32	34	37	30	30	28	35	44	34	30	....	31.4
Holtwood*	Maximum	57	57	51	49	59	64	54	55	47	43	43	55	61	70	68	52	64	86	69	71	55	57	58	56	54	48	61	58	64	64	....	58.3
	Minimum	34	41	40	43	44	46	42	41	39	37	36	36	36	49	49	45	41	45	50	54	45	46	46	45	43	44	44	46	47	46	....	43.3
Huntingdon	Maximum	60	55	....	54	54	62	59	53	45	41	46	60	66	72	67	57	67	82	70	72	58	50	59	55	50	44	52	54	66	66	....	58.3[a]
	Minimum	22	40	....	30	41	42	36	32	36	33	30	26	26	52	42	39	40	39	40	38	43	42	42	43	39	39	39	40	40	39	....	37.6[a]
Johnstown	Maximum	60	64	63	57	64	51	58	56	47	37	44	60	67	65	67	57	68	82	69	73	60	51	73	67	50	47	50	50	68	68	....	59.8
	Minimum	29	39	33	39	41	42	36	35	37	30	30	29	31	46	48	26	30	45	44	41	44	40	40	44	40	39	40	41	39	41	....	38.0
Lancaster	Maximum	62	62	58	54	63	69	61	56	52	46	49	59	68	75	73	68	68	88	86	75	73	56	61	63	58	56	62	62	70	70	....	64.1
	Minimum	23	34	28	40	41	53	39	31	42	31	30	30	26	45	53	41	28	38	44	43	44	42	40	42	40	28	39	44	45	36	....	38.0
Lawrenceville	Maximum	55	55	49	58	59	65	57	55	47	39	41	55	63	65	58	52	57	67	69	58	46	48	47	65	59	52	56	56	68	73	....	56.5
	Minimum	20	32	27	29	39	44	32	27	30	26	27	23	25	35	42	32	23	45	31	33	38	38	35	38	42	38	36	41	41	36	....	33.5
Lebanon‡	Maximum	59	59	51	52	62	68	61	54	45	42	46	56	65	74	70	56	65	87	72	71	58	48	59	56	52	45	49	60	68	66	....	59.2
	Minimum	26	38	30	39	39	41	38	35	42	33	30	31	30	43	54	40	30	41	45	43	44	41	41	41	40	39	37	42	43	40	....	38.5
Marcus Hook*	Maximum	64	62	59	63	74	67	61	61	52	50	58	67	70	70	69	65	79	79	73	70	51	61	60	61	60	63	67	67	66	75	....	64.8
	Minimum	41	41	41	42	56	43	43	43	36	36	36	38	52	56	45	39	44	51	54	44	44	42	42	42	43	42	49	50	45	42	....	44.1
Meadville	Maximum	54	54	51	65	64	65	54	55	45	39	40	57	67	69	60	52	63	65	67	65	63	50	58	61	59	46	53	52	72	71	....	57.9
	Minimum	25	33	27	38	44	36	29	35	32	28	27	25	36	48	40	32	31	45	33	32	42	35	38	44	42	37	36	41	42	48	....	36.0
Montrose	Maximum	48	43	39	45	44	61	49	48	39	30	37	47	57	63	63	47	53	69	64	62	57	44	45	59	59	58	50	52	62	66	....	52.0
	Minimum	25	35	26	30	33	43	29	32	29	23	25	26	31	42	46	30	24	41	39	35	34	34	36	32	35	36	37	41	39	39	....	33.6
Mount Pocono	Maximum	48	46	39	46	42	60	48	47	37	39	36	46	52	61	60	47	59	76	60	55	41	37	45	53	52	47	45	50	60	63	....	49.9
	Minimum	24	33	24	27	32	47	31	29	28	27	28	29	29	47	47	33	30	45	45	39	34	34	38	39	34	33	33	45	39	39	....	34.7
Philadelphia*	Maximum	58	59	52	48	60	71	56	57	45	43	47	57	64	71	68	57	63	80	72	70	52	55	57	56	56	48	63	60	67	65	....	59.2
	Minimum	39	41	41	39	42	48	42	43	39	36	35	38	42	52	56	43	39	43	50	52	42	44	44	41	41	40	43	48	50	46	....	43.3
Pittsburgh*	Maximum	58	49	46	63	66	59	54	49	41	35	41	56	65	60	60	52	66	76	66	68	68	53	71	57	48	44	49	54	64	65	....	56.8
	Minimum	34	37	32	40	46	39	36	41	33	30	30	29	37	48	36	34	35	47	38	46	46	40	38	46	40	38	38	37	41	48	....	38.7
Quakertown	Maximum	56	57	52	48	56	67	58	57	52	42	46	55	64	73	69	67	64	81	78	74	65	48	56	56	55	49	51	56	66	64	....	59.4
	Minimum	25	34	31	31	38	50	37	30	39	32	29	33	26	43	53	39	31	38	43	43	41	40	38	36	37	40	37	45	41	38	....	37.3
Reading*	Maximum	59	56	51	51	59	66	55	55	45	40	43	56	64	73	70	52	64	83	70	67	55	48	57	58	53	48	55	60	68	66	....	58.2
	Minimum	34	42	36	38	40	45	38	41	36	33	33	35	37	54	48	41	38	46	49	51	42	41	42	41	41	39	41	48	48	47	....	41.5
Ridgway‡	Maximum	54	46	51	59	60	47	55	50	39	36	42	56	66	63	63	52	67	75	65	64	49	50	49	58	50	43	51	50	65	69	....	54.8
	Minimum	19	28	28	31	39	43	32	31	33	28	25	21	24	34	52	35	23	38	38	29	39	39	35	37	39	37	35	37	40	35	....	33.5
Scranton*	Maximum	53	53	46	48	54	64	54	55	44	36	40	51	62	65	67	50	61	79	69	60	45	45	50	61	59	55	53	57	67	70	....	55.8
	Minimum	28	35	31	35	39	41	35	33	33	30	31	32	29	48	45	36	32	45	45	44	39	38	41	38	41	39	38	43	44	42	....	37.7
Selinsgrove	Maximum	57	55	54	50	57	57	57	57	46	41	36	58	53	69	68	52	64	82	81	68	68	47	55	57	51	50	55	56	67	67	....	57.8
	Minimum	25	31	36	33	38	50	37	34	36	32	29	29	27	43	46	38	27	38	41	44	41	41	40	41	42	38	38	42	43	38	....	37.3
Somerset	Maximum	54	50	43	50	54	54	51	50	44	33	34	51	57	60	59	47	64	73	60	62	62	43	69	67	44	40	42	48	59	58	....	52.7
	Minimum	21	35	29	35	39	40	31	27	33	26	26	23	23	43	45	30	23	39	38	34	42	38	35	41	37	35	36	35	31	38	....	33.6
State College	Maximum	56	50	51	53	60	54	56	51	44	38	43	58	65	69	65	53	60	79	68	68	57	48	52	52	49	47	50	54	64	65	....	56.0
	Minimum	30	39	29	37	38	42	33	35	37	29	26	28	31	45	52	35	26	47	41	42	40	40	37	39	37	38	37	37	41	40	....	36.9
Stroudsburg‡	Maximum	56	56	49	49	58	67	67	54	43	41	47	55	62	70	68	59	72	80	72	65	50	45	55	60	59	60	52	58	67	70	....	58.9
	Minimum	25	32	25	30	38	39	33	31	40	33	35	30	32	36	47	40	28	42	44	43	42	39	40	34	38	38	38	38	39	34	....	36.1
Towanda	Maximum	54	51	45	55	53	64	55	52	42	38	43	54	61	66	68	49	58	68	69	62	47	45	49	64	55	55	55	57	66	68	....	55.6
	Minimum	23	35	30	27	39	42	35	28	28	28	30	28	25	37	40	34	24	45	37	38	34	39	40	39	40	38	39	44	46	36	....	34.9
Uniontown	Maximum	60	55	51	65	67	61	55	53	49	39	44	57	66	64	63	50	70	83	72	73	69	57	74	68	51	47	54	57	68	70	....	60.4
	Minimum	26	41	36	43	47	44	37	43	39	32	32	26	31	48	47	36	30	54	45	41	54	45	39	38	44	41	42	40	36	51	....	40.3
Vandergrift*	Maximum	59	56	51	63	65	63	55	49	43	43	46	59	72	65	68	56	67	82	72	71	64	58	67	61	49	45	56	55	66	68	....	59.8
	Minimum	25	36	31	41	47	38	37	39	35	30	30	26	33	50	38	36	31	46	41	37	43	41	42	47	39	40	39	40	36	48	....	38.1
Warren	Maximum	48	48	44	59	58	58	44	52	48	38	40	46	58	64	60	56	48	58	60	62	58	52	47	52	50	50	54	55	60	67	....	53.1
	Minimum	29	36	32	37	45	44	34	38	36	30	29	29	34	49	52	35	34	45	42	36	44	44	42	46	44	42	40	44	46	46	....	39.5
Waynesburg	Maximum	59	56	50	70	70	64	58	55	45	38	43	57	66	65	62	52	71	82	69	74	79	62	76	76	58	51	52	57	67	72	....	61.9
	Minimum	24	37	34	42	48	42	36	37	36	29	30	26	31	46	44	34	29	56	36	40	47	42	35	48	44	40	36	38	34	43	....	38.1
Wellsboro	Maximum	54	48	43	54	54	58	50	50	40	36	39	52	59	65	68	49	56	72	65	58	45	45	50	59	50	50	56	52	63	69	....	53.6
	Minimum	19	32	27	26	36	39	30	28	28	25	26	24	23	38	43	31	21	45	32	30	35	38	37	39	40	41	37	39	40	34	....	32.8
Williamsport	Maximum	58	54	50	56	53	59	58	54	44	38	44	56	62	68	69	60	59	80	70	68	63	48	55	59	53	53	57	57	67	69	....	58.0
	Minimum	26	41	31	37	39	48	36	34	36	31	30	31	28	37	53	37	28	48	39	39	40	42	41	42	43	42	39	41	43	40	....	38.1
Williamstown	Maximum	56	55	52	55	52	61	54	56	53	41	43	56	60	63	69	68	65	83	80	72	67	44	55	54	52	62	51	53	66	66	....	58.8
	Minimum	29	38	30	38	34	49	32	40	33	28	26	27	37	47	50	46	44	32	42	47	36	35	36	36	35	34	32	38	40	41	....	36.7
York	Maximum	61	60	55	52	59	67	57	55	50	43	46	58	69	77	73	60	67	88	85	73	72	55	62	61	54	51	60	62	67	69	....	62.3
	Minimum	27	40	29	40	42	54	39	33	40	34	33	25	27	49	53	43	27	42	46	41	43	42	43	43	41	41	40	42	43	37	....	39.3

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* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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G. S. BLISS.

PHILADELPHIA, PA.

VOL. XLII. MAY, 1937. No. 5.

GENERAL SUMMARY.

Temperatures during May were mostly seasonable with the month as a whole showing a small excess. The extremes were not unusual. The lowest temperatures were recorded on the 1st or the 11th, with frost in some places. The damage was unimportant. Following a very wet April, there was a fair weather period in May from the 1st to 4th inclusive, which allowed the fields to dry out to a workable condition. From the 5th to the 28th inclusive, light to moderate rains occurred at frequent intervals, and were ample for all crop growing needs. The month closed with three days of fair weather. The rains were unusually well distributed over the State, and moisture conditions were favorable for crops in all regions. Vegetation of all kinds was backward at the beginning of the month, partly due to an abnormally cold and wet condition of the soil during April, and partly to late planting. Orchards were mostly in bloom and forest trees were greening up at the beginning of the month, about two weeks later than usual. Corn planting began during the first week of May. Ordinarily it begins during the last week of April. Oats seeding was practically finished in the southern portion, and was in full swing in the northern portion of the State at the beginning of the month. First sown fields were coming up evenly, and were looking good. This backward condition of vegetation and of field work was largely overcome during May. Higher temperatures, with favorable moisture conditions, stimulated a more rapid growth of all crops, and a moderate drying out of the top soil favored more rapid planting operations and quicker germination of the seeds. The backward condition of blooming was helpful to some extent, as no frost damage was reported from any region. This should have favored heavy yields, but frequent rains interfered with pollination and caused a moderate setting of fruit. Corn planting was practically finished in the southern counties, and was in full swing along the northern border at the close of the month. The cool, wet weather of April was favorable for the winter grains, and they started May in good condition. During the month the grains headed on heavy straw, and were looking fine. Pastures and meadows improved considerably, and alfalfa was reported to be a heavy crop. Several hailstorms occurred during the month, but probably no more than is usual for the month of May. However, a very heavy hailstorm occurred in Harrisburg and vicinity on the 8th, and in some places the hail fell to a depth of a foot or more, and snow plows were put in operation to clear the streets. Harrisburg papers said that the hail fell in a period of about ten minutes, and during the storm it was so dark that electric lights were turned on. No serious damage by storms was reported during the month.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 90 stations, was 60.7°, which is 1.1° above the 50-year normal for May. The highest monthly mean was 68.9°, at Marcus Hook, and the lowest was 54.2° at Somerset. The highest temperature recorded during the month was 96° at Carlisle on the 22nd, and the lowest was 24° at Hyndman on the 19th. The greatest daily range in temperature was 54° at Emporium on the 11th.

PRECIPITATION.

The average precipitation for the State, based on the reports from 148 well-distributed stations, was 3.39 inches, which is 0.48 inch less than the 50-year normal for May. The greatest monthly amount was 5.67 inches at Blairsville, while the least, 1.47 inches was reported from Hamburg. The greatest amount reported in any 24 consecutive hours was 2.30 inches at Matamoras on the 14-15th.

There was no snowfall reported during the month.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	57.3	91	24	4.24	T.	16	4	11	16
1889	60.4	96	25	5.91	0	11	11	9	11
1890	58.5	89	23	6.71	0	15	7	11	13
1891	57.3	93	20	2.12	0.2	8	10	10	11
1892	58.5	91	28	5.70	0	16	7	10	14
1893	57.9	93	26	5.54	0	12	11	8	12
1894	60.8	92	27	8.88	0	16	9	8	14
1895	60.6	102	22	2.68	0	9	13	10	8
1896	65.4	98	31	2.85	0	10	10	12	9
1897	57.7	88	25	5.24	T.	12	11	10	10
1898	60.0	94	22	5.11	0	15	8	9	14
1899	61.1	100	24	3.82	0	11	10	11	10
1900	60.4	96	20	2.79	T.	9	13	9	9
1901	58.9	91	28	5.56	0	15	8	9	14
1902	59.8	95	25	1.96	0	8	13	11	7
1903	61.8	94	18	1.67	0	7	16	9	6
1904	61.6	94	21	3.78	0	11	12	10	9
1905	60.8	93	22	2.59	0	12	11	9	11
1906	60.0	99	23	3.23	0	10	12	10	9
1907	54.8	91	19	3.08	0.1	11	11	9	11
1908	61.2	96	22	6.28	0.3	15	10	10	11
1909	59.2	92	23	2.90	0.1	10	12	10	9
1910	56.8	88	24	3.38	0	12	11	10	10
1911	65.2	99	20	1.97	0	7	17	10	4
1912	61.2	91	28	3.15	0	11	14	8	9
1913	58.5	93	21	3.86	0	10	13	8	10
1914	61.5	96	19	3.34	0	9	16	9	6
1915	56.2	84	21	4.16	0	14	10	8	13
1916	61.0	93	26	3.19	T.	13	12	11	8
1917	53.3	90	20	3.39	T.	13	9	10	12
1918	65.1	95	21	5.04	0	14	13	12	6
1919	59.5	98	27	5.80	0	14	13	7	11
1920	56.6	92	18	2.02	0	8	17	8	6
1921	59.8	93	22	3.93	0	11	14	8	9
1922	62.5	96	20	3.21	0	10	15	8	8
1923	58.3	93	20	3.50	0.6	8	19	6	6
1924	54.6	92	18	5.71	0	17	9	9	13
1925	55.2	98	22	3.49	0.2	11	13	10	8
1926	58.8	95	18	1.78	0	8	17	10	4
1927	58.2	92	23	4.14	0	16	9	9	13
1928	58.0	95	20	2.23	0	10	15	9	7
1929	58.5	97	23	4.81	T.	14	13	9	9
1930	61.2	99	25	3 03	0	10	15	8	8
1931	59.8	98	19	5.28	T.	15	13	9	9
1932	59.8	98	21	3.69	0	10	15	8	8
1933	62.2	94	24	5.86	0	18	8	10	13
1934	62.2	98	22	2.51	0	8	18	8	5
1935	56.0	92	21	3.00	0	10	13	8	10
1936	62.8	96	24	2.09	0	7	19	8	4
1937	60.7	96	24	3.39	0	11	14	10	7
Period	59.6	102	18	3.87	T.	12	12	9	10

Climatological Data for May, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	63.2	+2.9	92	31	36	3	42	2.81	−0.59	1.20	0	12	14	16	1	sw.	John A. Frick.
Altoona	Blair	1,615	50	58.7	−0.1	88	22†	34	11	38	3.53	−0.49	0.86	0	11	17	9	5	w.	John J. Martin.
Ardmore	Montgomery	350	17	61.8	+0.7	88	31	36	1	37	3.45	−0.41	1.80	0	10	13	9	9	......	H. L. Balderston.
Arendtsville	Adams	700	15	62.4	+2.3	92	22	33	1	42	2.76	−1.05	1.02	0	11	22	0	9	w.	Harold J. Miller.
Bedford	Bedford	1,060	5	60.0	....	92	31	33	11	45	2.13	−1.20	0.47	0	8	20	1	10	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	64.9	+2.5	93	31	41	16	38	3.13	+0.01	0.90	0	11	23	1	7	w.	Lehigh University.
Carlisle	Cumberland	467	71	63.5	+1.9	96	22	34	1	46	2.99	−0.39	0.88	0	10	18	6	7	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	41	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. L. Gearhart.
Center Hall	Center	1,272	41	58.2	−0.2	86	31	34	11	40	5.15	+0.77	1.90	0	9	19	3	9	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	62.5	+1.3	93	22†	35	1	42	2.81	−0.58	0.88	0	11	11	18	2	sw.	William B. Spear.
Clearfield	Clearfield	1,120	30	59.6	+0.7	92	31	28	11	51	2.98	−1.39	1.25	0	8	15	12	4	w.	E. W. Hess.
Coatesville	Chester	380	50	58.0	−3.3	85	31	36	1	30	3.91	+0.32	0.75	0	13	13	5	13	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	60.2	+0.9	86	31	33	1	38	3.09	−0.50	0.89	0	14	19	7	5	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	58.4	+0.6	91	31	29	11	54	4.30	+0.11	0.91	0	12	16	9	6	w	C. E. Koppenheffer
Ephrata	Lancaster	380	45	64.8	+3.3	95	31	36	1	42	4.42	+1.38	1.11	0	13	14	11	6	s.	Ira J. Keath
Freeland	Luzerne	1,970	44	59.2	+2.6	86	31	37	11	34	3.77	−0.07	1.77	0	14	11	3	17	nw.	Andrew B. Evansha
George School	Bucks	190	31	63.4	+2.4	89	22†	37	1†	38	3.36	0.00	1.36	0	9	16	11	4	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	63.9	+2.3	92	22	37	1	40	3.05	−0.64	0.67	0	13	20	6	5	sw.	Dr Henry Stewart
Gordon	Schuylkill	840	33	59.8	+1.8	91	31	31	1	46	4.59	+0.67	1.29	0	8	20	7	4	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	56.0	+3.3	85	31	31	1†	45	3.66	−0.15	1.13	0	8	19	9	3	w.	Ronald H. Marshall,
Hamburg	Berks	535	44	64.2	+3.1	94	30	38	11†	42	1.47	−2.67	0.52	0	8	14	16	1	sw.	State Sanatorium.
Hanover	York	600	33	64.8	+1.2	91	22	38	1	36	2.72	−0.65	0.66	0	12	22	5	4	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	63.4	+1.6	92	22	43	1	36	3.19	−0.25	0.99	0	11	11	14	6	w.	U. S. Weather Bureau.
Hawley	Wayne	900	19	57.6	+0.5	91	31	30	16	48	4.08	+0.56	1.13	0	14	21	6	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	64.4	+1.6	88	22	40	1	32	1.95	−0.82	0.63	0	9	17	10	4	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	50	60.3	0.0	91	22†	32	1	47	2.15	−1.60	0.65	0	9	17	6	8	s.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	61.0	−0.2	94	28†	24	19	50	1.56	−1.36	0.50	0	7	16	13	2	......	Glenn R. Shaffer.
Kyiertown	Clearfield	1,637	6	57.8	....	87	31	33	11	37	3.24	....	1.16	0	12	7	12	12	......	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	63.6	+2.7	93	22†	32	1	49	2.54	−0.41	0.80	0	12	17	12	2	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	40	59.8	+2.5	94	31	29	11	48	3.15	−0.65	1.15	0	10	15	8	8	......	C. P. Darling.
Lebanon	Lebanon	469	53	62.8	+1.8	92	22	36	1	38	2.25	−1.01	0.60	0	13	18	6	7	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	62.5	+0.7	91	31	36	11	42	4.49	+0.44	1.09	0	11	10	18	3	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	68.9^{a}	+3.3	94^{a}	21	46^{a}	2†	34^{a}	2.70	−0.52	0.88	0	10	23	5	3	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	62.5^{c}	+1.9	91^{c}	22†	37^{c}	4	44^{c}	2.98	−0.85	0.85	0	11	15	13	3	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	56.2	+2.3	85	31	33	16	40	4.27	+0.19	1.30	0	8	13	4	14	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	57.4	+0.4	88	31	29	11	44	3.40	−0.65	1.13	0	9	20	7	4	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	62.6	+2.6	91	22	34	1	43	3.59	−0.37	1.82	0	11	20	8	3	s.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	61.0	+1.6	90	31	36	11	38	1.89	−1.53	0.57	0	11	20	9	2	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	65.3	+2.4	90	22	46	1	31	2.62	−0.64	1.55	0	9	13	9	9	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	63.0	+1.1	90	22†	32	1	44	4.11	+0.35	0.86	0	12	17	12	2	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	61.0	+1.5	89	31	32	1	44	3.30	−0.06	1.08	0	10	17	8	6	w.	John E. Benner.
Reading	Berks	273	67	64.2	+1.7	89	31	42	1	33	2.61	−1.06	0.89	0	13	9	15	7	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Theodore J. Sampson.
Scranton	Lackawanna	746	43	60.7	+1.3	90	31	36	16	36	2.66	−0.61	1.02	0	11	11	13	7	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	47	60.8	+0.2	90	31	35	11	39	3.46	−0.24	1.11	0	10	9	18	4	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	64.5	+1.4	90	22	36	1	38	2.89	−0.39	1.40	0	11	13	11	7	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	62.2	....	90	22†	36	1	40	2.62	....	0.70	0	8	15	8	8	sw.	State Teachers College
State College	Center	1,217	53	60.2	+1.5	90	31	36	10	38	2.35	−1.54	0.55	0	10	13	13	5	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	59.5	+0.9	87	30	33	1†	44	3.01	−0.32	1.38	0	8	18	4	9	w.	State Normal School.
Towanda	Bradford	754	43	59.0	+1.6	89	31	34	16	44	3.65	+0.29	0.95	0	13	10	10	11	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	57.3	+0.9	93	31	29	11	46	2.87	−0.53	1.32	0	9	21	5	5	nw.	George W. Hill.
West Chester	Chester	455	88	62.8	+2.0	90	22	37	1	37	2.96	−0.92	0.77	0	15	10	18	3	nw.	Harlan Saylor.
Williamsport	Lycoming	521	51	61.2	+0.7	91	31	36	1†	41	4.02	+0.19	1.19	0	12	15	8	8	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	62.6	+2.5	92	22	38	1	39	3.56	−0.25	0.90	0	9	11	15	5	sw.	Susquehanna Collieries Co
York	York	400	49	63.0	+1.6	92	22†	33	1	45	2.86	−0.16	0.96	0	11	22	8	1	sw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	59.7	+4.2	90	30	26	11	49	4.22	+0.80	1.23	0	11	8	7	16	......	Frank S. Fawcett.
Butler	Butler	1,077	24	59.8	+0.5	91	31	29	11	50	3.73	+0.20	0.85	0	10	10	16	5	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	57.7	−2.0	88	31	27	11	43	2.97	−1.14	0.69	0	11	12	10	9	w.	John E. Lewis.
Clairton	Allegheny	1,020	5	60.8	....	86	31	35	11	34	2.92	....	0.56	0	15	11	11	9	s.	Carnegie Steel Co.
Claysville	Washington	1,150	32	60.4	−0.5	92	31	30	11	45	4.53	+0.94	1.18	0	13	18	8	5	n.	J. L. Melvin.
Corry	Erie	1,430	24	58.0	+3.0	91	31	29	11	46	2.84	−1.67	0.48	0	15	15	11	5	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	40	60.4	−0.2	89	31	34	11	40	4.57	+0.93	1.60	0	11	13	13	5	w.	Ted R. Wineman.
Donora	Washington	762	11	62.5	+0.2	92	31	38	11	38	2.75	−0.64	0.70	0	13	10	15	6	......	Donora Zinc Works.
Ebensburg	Cambria	2,000	20	58.0	+1.5	86	31	33	11	39	4.26	−0.08	1.04	0	12	16	12	3	w.	D. H. Jones.
Franklin	Venango	957	63	60.7	+3.1	90	31	38	11†	42	5.30	+1.42	1.08	0	11	6	3	22	n.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	60.4	+0.1	90	30†	34	11	41	3.58	−0.20	1.58	0	15	10	12	9	w.	Westmoreland Water Co
Greenville	Mercer	950	41	59.4	+1.6	91	31	30	11	45	4.14	+0.43	1.53	0	13	14	9	8	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	58.4	+0.3	85	31	35	11	38	4.06	−0.07	1.20	0	12	10	9	12	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	59.6	+0.5	89	31	31	11	45	3.01	−0.22	0.65	0	15	21	4	6	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	61.0	−0.1	92	31	35	11	46	3.51	−0.58	0.82	0	10	14	13	4	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	5	57.2	....	87	31	29	11	44	4.68	....	1.20	0	12	16	8	7	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	45	59.9	−0.7	85	31	36	11	33	4.17	+0.19	1.17	0	12	8	19	4	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	59.4	+2.5	92	31	32	11	41	2.64	−1.47	0.55	0	12	12	10	9	n.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	61.0	....	90	31	35	11	43	3.83	....	1.14	0	13	10	15	6	nw.	Perry P. Campbell
New Castle	Lawrence	808	57	58.6	−0.9	87	3	31	11	46	5.11	+1.54	1.20	0	16	15	10	6	s.	New Castle Water Co
Newell	Fayette	800	17	58.8	−2.4	82	13	34	11	33	3.31	+0.20	0.72	0	12	15	8	8	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	61.4	−1.0	89	31	40	20	32	2.21	−1.00	0.65	0	13	7	16	8	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	56.6	+1.0	89	31	27	11	47	4.03	+0.47	1.12	0	11	12	7	12	s.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	56.2	+0.9	84	31	34	11	36	2.86	−1.09	1.06	0	12	10	9	12	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	24	61.4	+2.2	92	31	35	11	40	3.52	+0.33	1.22	0	12	14	9	8	s.	Harry H. Gerber.
Somerset	Somerset	2,190	70	54.2	−2.5	82	30	27	11	44	3.29	−1.09	1.10	0	15	4	13	14	nw.	D. L. Grove.
Uniontown	Fayette	1,100	49	61.8	−0.1	90	31	34	11	41	4.06	+0.43	0.91	0	15	12	13	6	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	60.6	−0.2	90	31	33	11	43	3.06	−0.20	0.65	0	13	21	6	4	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	48	58.3	+2.0	88	31	36	11	37	4.09	+0.07	1.30	0	14	12	12	7	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	60.8	....	89	31	33	11	42	4.46	....	1.05	0	13	21	5	5	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	58.2	+1.5	89	31	39	10	30	2.10	−1.30	0.51	0	15	13	9	9	w	U. S. Weather Bureau.
For the State	....	....	50	60.7	+1.1	96	22	24	19	54	3.39	−0.48	2.30	0	11	14	10	7	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-6-23-37-1050.

Daily Precipitation for May, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh						.03	.68			.11				.43	.77		.07	.02	.09	.01			.10					.49	.01			2.81
Altoona	Juniata					.13	.50		.28	.03				.26	.20			.24					T.	.16			.86	.72	.15				3.53
Ausonia‖‖	W. Br. Susq					T.	.79		T.		T.			.34	.88	.17		.11	.05	.02	.02		.06	.12	.01			.02	.80				2.89
Ardmore	Lower Del						.09		.10		.05			.72	1.32			.08		.30			.08	.04				.67					3.45
Arendtsville	Lower Susq					1.02	.07		.34					.12	.16		.18	.09	.09				.45					.10	.19				2.76
Baker's Summit	Juniata					.67	.16		.26					.95	.01			.26	.26				.10	.23			.10	.21	.01				3.01
Bedford	Juniata					.21	.38		.15					.34	T.		.04	.14		T.				.40				T.	.47				2.13
Bellefonte	W. Br. Susq					.47			T.	T.			.09	.63	.04	.01		.16		T.			.10	.20			T.	.15	.02				1.87
Bethlehem	Lehigh						.19	.29			.07			T.	.88	.51		.05		.08	.01		.01	.14					.90				3.13
Big Knob	Middle Susq						.97	.05			.01				.45	.25		.02	.01					.12				.07	.33				2.28
Bloserville‡‡	Lower Susq					1.40			.40				.40	1.50		.22										.25			.90				4.17
Buffalo Mills‖‖	Juniata						.56		.14						.45			.24	.39					.24				.13	.04				2.19
Carlisle	Lower Susq					T.	.53		.88			T.	.64	.09	.22		T.	.15		.15			.16	T.			.04	.13					2.99
Catawissa	N. Br. Susq																																....
Center Hall	Susquehanna						1.90			.02			.22	.54	.78			.22						.48				.24	.75				5.15
Chambersburg	Potomac					.18	.70		.63					.23	.21			.10		.08			.27	.13			.01	.27					2.81
Clearfield	W. Br. Susq					.60	.65		T.			T.	.11	.81	T.	.04	T.	.22	T.				T.	.04				.51	T.				2.98
Coatesville	Lower Del						.49		.68		.02			.64	.75	.06		.12		.10	.01		.19	.09			.50	.26					3.91
Colebrook	Lower Susq					T.	.28		.89	.04				.05	.56	.11		.22		.15			.06	.01			.10	.58	.03	.01			3.09
Conshohocken	Schuylkill						.27		.02	.01	.14				1.49	.37		T.			.04			.07				.11	.19				2.71
Doylestown	Lower Del						.34			.01	.12			.35	.97	.73		.26		.08				.42				.02	.54				3.84
Emporium	W. Br. Susq					.17	.91			.02				.78	.36	.43		.24		.05			.08	.36				.61	.29				4.30
Ephrata	Lower Susq						.12	.06	.43	T.	.15			.08	1.11	.23		.09		.12				1.09			.60	.31	.03				4.42
Forest City	N. Br. Susq						.27								.97	.68		.19	.25	.03	.33	.21	.05	.45	T.			.17	.08				3.68
Freeland‖‖	Lehigh						.08	.70		.02	.02			T.	1.77	.40		.12	.05	.07	.09	T.	.02	.04					.37	.02			3.77
Galeton	N. Br. Susq					.05	1.12		T	T.				.72	.20	.15		.25		.05			.02	.10				.47					3.13
George School	Lower Del						.15	T.	.02		T.			.21	1.36	.91	T.	.11		.04	T.			.05	T.			T.	.51				3.36
Gettysburg	Potomac						.30		.52		.04			.01	.67	.03		.26		.12			.46	.14			.03	.01	.46	T.			3.05
Girardville‖‖	Lower Susq					.87	1.06			.05				1.38	.26		.18	.06	.05	T.			.53					.45	.09				4.98
Gordon	Lower Susq						1.29				.15			.64	.34	.06		.26						.77				1.08					4.59
Gouldsboro‡‡	Lehigh						T.	1.06			T.				1.13	.82		.10	.15	.20		.10		.10									3.66
Graterford	Schuylkill						.48				.32			.72	.81	1.07		.11		.08	.14			.53				1.12					5.38
Hamburg	Schuylkill						T.		.02		T.				.52	.09		.18		.09				.32				.22	.03				1.47
Hanover	Lower Susq						.53		.35	T.	.05				.66	.05		.08	.05	.14				.37			.02	.05	.37				2.72
Harrisburg***	Lower Susq					.80	T.		.99	T.				.30	.19	.10	.30	T.	.04	.10			.11	T.			.02	.24					3.19
Hawley‖‖	Upper Del						.03	.78			.01				1.13	1.06		.08	.06	.05	.10	.01	.06	.44				.01	.26				4.08
Hollisterville	Upper Del						.05	.07			.02				.85	.74		.13	.12	.06	.10	.03		.11				.07	.43				2.78
Holtwood‡‡	Lower Susq						T.	T.		.03	.01				.54	.44		.05	T.	.11				.14				.08	.55				1.95
Huntingdon	Juniata					.65	.18		.03	T.				.34				.15						.17			.21	.38	.04				2.15
Hyndman	Potomac													.42	.03	.04			.50					.38				.09	.10				1.56
Kylertown	W. B. Susq					.36	.80		T.	.06			.21	.66	.15	.13	T.	.18	T.				.01	.14			T.	.53	.06				3.24
Lakeville‖‖	Upper Del						.08	.62			.01				.90	.81			.06	.03	.15			.05	T.			T	.28				2.99
Lancaster	Lower Susq						.28		.48		.04				.80	.17		.08		.09				.31			.05	.04	.17	.03			2.54
Lansford‖‖	Lehigh						.09	.26			.03				.54	.42		.17	T.	.11	.12		.04	.72					.31				2.81
Lawrenceville	N. Br. Susq					T.	1.15		.05					.45	.30	.20		.22		.05			.08	.15				.50					3.15
Lebanon	Lower Susq					.02	.04		.60	.09				.22	.35	.01	.32		.10	T.			.03				.14	.30	.03				2.25
Lehighton‖‖	Lehigh						.05	T.			.21				.69	.27		.17		.15				.46					.27				2.27
Lock Haven	W. Br. Susq					.01	.94			T.	.09			.76	.72	.14		.19		.03				.17				1.09	.35				4.49
Marcus Hook	Lower Del						.05	.26		*	.25				.51	.88		.04	T.	T.				*	.20		T.		.51				2.70
Matamoras‖‖	Upper Del							.22							.80	2.30		.05		.12				.19						.05			3.73
Mifflintown	Juniata					.85	.08		.04					.47	.18		.48						.02	.17			.14	.53	.02				2 98
Montrose	N. Br. Susq						.59		.07		.01			.20	.65	.32		.36	.05	.09	.05		.06	.05				.16	.08				2.74
Morris Run	N. Br. Susq					.02	.76		.02	.02				.79	.31	.34		.25		.04			.04	.04			T.	.78					3.41
Mount Pocono	Upper Del						.60				.10				1.30	.10		.70		.30	.16						T.	1.01					4.27
Muncy Valley	W. Br. Susq						1.13			T.	.14			.19	.75	.20		.47		.06				.06				.40	T.				3.40
Neshaminy Falls‖‖	Lower Del						.11		.05	T.	.07			.65	1.82	.03		.15		.04			.04	.08			T.	.55					3.59
New Park	Lower Susq					.05			.13					.89	.43		.10	T.	.05				.20				.12	.50					2.47
Newport‖‖	Juniata						.75	T.		.21					.60	.40		.10						.10				.12	.35				2.63
Palmerton‡	Lehigh						.30			.10				.15	.57	.10		.09	.01	.11		T.	.09	T.				.35	.02				1.89
Paupack‖‖	Upper Del					*	.10	.60						*	1.20	1.04	*	.06	.06	.07	.06			.13				.09	.18				3.59
Philadelphia***	Lower Del					T.	.25		.04	T.	.12			.29	1.42			T.	T.	.05			.04	.07			T.	.34					2 62
Phila. Navy Yard‡	Lower Del						.08		.08		.19			.16	1.48	.34		.03	T.	.03			.12	T.			T.	.66					3.17
Phila-P'nt Breeze‡	Lower Del						.14		*	.21	T.				.88	.89		.05	T	.01				.14			.01	.79					3.12
Phoenixville	Schuylkill						.32	.22		.13	.13			.56	.86	.48		.09		.07	T.			.67	T.			.02	.56				4.11
Pine Grove	Lower Susq					.09	.30		.14	.02				.25	.53	.06	.15	.04	.02	.06			.09					.90	.33				2.98
Pleasant Mt.‖‖	Upper Del					.24			.04					1.73				.62			.25						.20	.15	.19				3.42
Pottstown	Schuylkill																																......
Pottsville	Schuylkill						.15				.08				.64	.20		.26		.11	T.			.03			T.	.50	.19	.23			2.39
Quakertown	Lower Del						.09	.09						.49	1.08	.51		.27		.07				.50				.04	.16				3.30
Reading***	Schuylkill					T.	.05		.33	.01	T.			.58	.51	.05	.03	.10	.02	.07		T.	.46	T.			.20	.20	T.				2.61
Renovo‖‖	W. Br. Susq						.79				.05			.14	.92	.16		.30	.03				.04		.04			.08	.39				2.94
Retreat	N. Br. Susq																																......
Scranton***	N. Br. Susq					.33	.08			.02				.68	.60	.24	.01	.10	T.	.06	T.		.05	T.			T.	.49	T.				2.66
Selinsgrove	Lower Susq					.10	.89	.17		.02					1.11	.17		.27					.33	.02				.38					3 46
Shawmont	Schuylkill						.14		T.	.09	.02				1.40	.48		.07		.06	.08			.08				.05	.42				2.89
Shippensburg	Lower Susq						.70		.26							.66		.10		.12				.32			.08		.38				2.62
State College	W. Br. Susq					.26	.42		T.	.06			T.	.55	.28	.13	T.	.13	T.	T.			.04	.15			T.	.33					2.35
Stroudsburg‖‖	Upper Del						.49				.12			.34		1.38		.21		.12			.20						.15				3.01
Sunbury‖‖	Lower Susq						1.12	.17			T.				.90	.28	T	.18	.03	.03	T.		T.	T.	.05				1.21				3.97
Susquehanna‖‖	N. Br. Susq						.33				.01			.02	.50	.65		.09	.05	T.		.15	T.	.01	T.			.32	.24				2.37
Towanda	N. Br. Susq					.04	.77		.22	.03				.43	47	.21		.14	.04	.03	T.		.24	.08				.95	T.				3.65
Weikert	Lower Susq					.75								.40	.28	.10		.15						.15				.57	.06				2.46
Wellsboro	N. Br. Susq					.12	.10							1.32	.15	.12		.17		T.			.04	.01				.84					2.87
West Chester	Lower Del						.14	.01	.15		.04			.77	.76	.19		.10		.09	.01		.14	.03			.20	.30	.03				2.96
Westgrove‖‖	Lower Del						.05	.05		.09	.05				.99	.56		.04	.06	.10				.06	.02			.04	.46				2.57
Wilkes-Barre‖‖	N. Br. Susq						.38	.43			.02				.72	.54	.01	.03	.18	.02	.20		.09	.20				.18	.18				3.18
Williamsport‖‖	W. Br. Susq						1.05				.04			.19	.92	.23		.17	.07	.04	.02			.01	.09				1.19	T.			4.02
Williamstown	Lower Susq						.90	.03	T.	.20					.87			.60		.03	.02		.09	T.			T.	T.	.82				3.56
York	Lower Susq						.35		.22		.04				.96	.08		.35		.13			.17	.09			.06		.41				2.86
York Haven‖‖	Lower Susq						.19	.18		.34					.32	.24		.15	.02	.11				.11				.09	.14	.21			2.10
Zionsville..(near).	Schuylkill						.10	.12			T.			T.	1.35	.36		.25		.13			.20	T.				T.	.17				2.68
Trenton, N. J***	Lower Del					T.	.16		.02	.01	.03			.51	1.75			.03	T.	.03			.01	.02			.02	.27					2.86

Continued on page 24.

Daily Precipitation for May, 1937—Continued from page 23

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Falls‖‖	Beaver					1.02	.36		T.	T.	.04			.51	.39	.01		.37	.06	.05			.03	.36	T.			.51	.25				4.41
Blairsville	Allegheny						1.47	T.			T.			.64	1.10	T.		.23	.60	.01			.03	.23	.07			.61	.33	.35			5.67
Bradford	Allegheny					.58	.85			.04				.87	.12	.02		.47		.03				.67			.02	1.14					4.81
Brookville‖‖	Allegheny					.60	.51				.02			.27	1.23	.01		.41	T.	T.			.09	.30				.07	.71	T.			4.22
Butler	Ohio					84	.30			.03				.30	.85		.29	.02	T.				.53				.16	.41					3.73
Chambersville	Allegheny					.12	.60			.06				.64	.05			.24					.17	.20			.24	.60	.05				2.97
Clairton‡	Monongahela					.31	.25		T	.01			.05	.56	.46	.03	.25	.20		.02				.08			.30	.07	.27	.06			2.92
Clarion	Allegheny					.65	.77				.01			.42	.85	.02		.18		.02			.08	.13				.09	.86				4.08
Claysville	Ohio					1.18	.45		T.	.07			T.	.63	.01	.06	T.	.50	T	.07		.02		.08			.07	1.02	.37				4.53
Confluence‖‖	Youghiogheny						1.05	.05	.04	.55	.05			.07	.33	T.		.25	.23	.08				.25				.82	.76	.18			4.71
Connellsville	Monongahela						1.26	.02	T.	.29	.12			.13	.45	.05	T.	.19	.14	.02				.41	.03			.21	.48	.54			4.34
Corry	Allegheny					.21	.27			.04			.19	.48	.20		.10	.26		.03	.14	.12	.23	.23				.29	.05				2.84
Coudersport	Allegheny					.33	.96							.93	.29	.14		.50		.02			.09	.50				1.53					5.29
Derry	Conemaugh					.75	.86		.04	.02				1.60	.08	T.			.38	T.			T.	.15			.03	.60	.06				4.57
Donora‖‖	Monongahela					.12	.70	.01	,02		T.			.42	.43	.11		.25	.09	T.				.08				.13	.38	.01			2.75
Du Bois	Allegheny					.04	.96		T	.05	T.			1.15	.20	.02	T.	.14	T.				.06	.14			T.	1.35	.01				4.12
Ebensburg	Conemaugh						1.04		.01		.08			.20	.37	.12	.20	.28						.38				.54	.76	.28			4.26
Franklin‖‖	Allegheny					.51	1.05							.53	.55	.03		.17		.05			.18	.20				1.08	.95				5.30
Greensboro‖‖	Monongahela					.03	2.10	.04	.01	.15	.08			.09	.46	.06		.25	.04	.04				.26	.18			.68	.95	.09			5.51
Greensburg	Youghiogheny					.16	.51		.03		.04		.05	1.53	.02	.03	T.	.43		.01			.01	.07			.03	.60	.06				3.58
Greenville	Beaver					.17	.85			.06			.15	.35	.17	T.	.40	T.		.08			.15	.16			.52	1.01	.07				4.14
Grove City	Beaver					1.20	.51			.03			.15	.70	.09		.06						.11	.39			.10	.70	.02				4.06
Herrs Isl. Dam‖‖	Ohio					.76	.57	.08	T.	T.	T.			.15	.50	.07		.18	.27	T.			.06	.24				.67	.20	T.			3.75
Irwin	Monongahela					.22	.48		T.	T.	.02		T.	.65	.15			.15	.32	.02	.04			.02	.08		.14	.65	.05	.02			3.01
Johnstown	Conemaugh					.51	.82		.20	.01				.58	.01		T.	.75					T.	.17			.02	.44					3.51
Kaue (near) ‡‡	Allegheny					.61	.41		T.	.04				1.20	.23			.36			.03		.05	.76			.01	.96	.02				4.68
Kregar‖‖	Youghiogheny					.61	.14		.59	.02			.32	.36			.28	.26	T.				.29	.09			.19	.14	.55				4.39
Lake Lynn‖‖	Monongahela					.02	1.32	.04	.02	.24	.15			.28	.30	.30		.20	.10	.05				.15	.16			.92	.78	.08			5.11
Linesville‖‖	Beaver				.14	.30				.03			.23	.05			.12		.11			T.	.30				.12	.27					1.67
Lock No 2‖‖	Ohio					.78	.46	T.	.12	T.	.02			.08	.70			.25	.30	.03				.37				.69	.24				4.04
Lock No. 4‖‖	Monongahela					.11	.58		.01		.03			.32	.63	.06		.28	.13	.02				T.	.08			.23	.22				2.70
Lock No. 5‡‡‖‖	Allegheny					.79	.40	.02	T.	T.	.04			.14	1.18	.14		.26	.18	T.			.07	.17	.03			.22	.85	.03			4.52
Lycippus	Conemaugh					.37	1.17		.15	T.				.89	.10			.40	.05	.03				.32			.04	.35	.30				4.17
McKeesport‖‖	Monongahela					.21	.27				T.			.02	.65	T.		.19	.03	T.			T.	.02				.43	.39				2.21
Meadville	Allegheny					.26	.37			.03			.16	.35	.20			.30		.10		.04		.23				.55	.05				2.64
Midland	Ohio					1.14	.17			.06				1.13	.06	.04	.10	.23	.02	.07				.28			.10	.43					3.83
Mosgrove‖‖	Allegheny					.73	.50	T.		T.	.03			.23	.92	T.		.12		T.			.05	.30	.03			.11	.23				3.25
Mount Lebanon	Ohio					1.33	.06	T.	T.	T.			T.	.62	.03	T.	.24	.15	.05				.14	.05			1.08	.37					4.12
Natrona‖‖	Allegheny					.87	.41		T		.05			.15	1.17	.11		.36	.20	.02				.29	.01			.35	.52	.03			4.54
New Castle‖‖	Beaver					.38	.76		.05	T.	.08	T.		.45	.79	.19	.02	.20	T.	.05	T.	T.	.14	.32	.01	T.		1.20	.46	.01	T.	T.	5.11
Newell	Monongahela					.07	.45				.10			.52	.34			.16	.34	.04				.19			.02	.36	.72				3.31
Parkers Landing‖‖	Allegheny					.58	.58				.04			.36	1.08	T.		.12		.02			T.	.25	T.			.16	.48				3.67
Pennline‖‖‡‡	Beaver					.17	.20				.06			.29	.35	.01		.30		.12		.09		.22					.07				1.88
Pittsburgh***	Ohio				T.	.66	.02		T.	T.			.06	.42	.04	T.	.20	.07	.01				.02	.06			.55	.09	.01				2.21
Punxsutawney‖‖	Allegheny					.06	.88	T.			.10			.33	1.00	.04		.12					.02	.10				.13	.58	.05			3.41
Ridgway	Allegheny					.43	.55							.40	.87	.04		.27	T.	.04			.03	1.09	T.			.02	.29				4.03
Salisbury (near)	Youghiogheny					.51			.23	.05				.25	.02	T.	.02	.30	.03				.14	.04			T.	1.06	.21	T.			2.86
Saltsburg‖‖	Conemaugh					.01	.51	.01			.02			.22	.48	T.		.24	.32				.18	.02	.02			.74	.60	.13			3.50
Sharon‖‖	Beaver					.09	.43				.07			.20	.37	.09	.14			.06			.27	.58				.70	.52				3.52
Smethport‖‖	Allegheny					.40	.63				T.			.44				.52					.08	.70				.52	.55				3.84
Somerset	Youghiogheny					.40	.70		.39	T.	.03			.16	.03			.48	.01	.02			.19	.19			.01	.16	.44	.08			3.29
Springdale‖‖‡‡	Allegheny					.82	.54	.01			.04			.30	.67	.05		.22	.20	T			.03					.68	.38	.33			4.27
Uniontown	Monongahela					.46	.91		.36	.07	.07		T.	.30	.17	.07	T.	.26		.04			.13	.24			.04	.56	.38				4.06
Unity Reservoir‡‡	Youghiogheny					.22	.52		.06	.01	T.		.07	1.91	.02	.05	T.	.34	.02	.01			T.	.23			.08	.74	.02				4.30
Vandergrift‡	Conemaugh					.62	.03			.03			.21	.48	.17		.23	.13					.26	.05			.27	.45	.13				3.06
Warren	Allegheny				.10	.40	.90		.03	.07			.22	.34	.20		.14	.20		.12				.45				.30	.62				4.09
Waynesburg	Monongahela					.29	.41		.11				.22	.51	.10	.26		.57		.08				.11			.05	.70	1.05				4.46
Westford‖‖	Beaver				.34	.70							.30	.35			.40	.02	.12			.12	.34				.23	.70					3.67
West Newton‖‖	Youghiogheny					.06	.72			.02	T.			.20	.76	.07		.20	.08						.03			.24	.15	.03			2.56
Lake Drainage.																																	
Erie***	Lake Erie				.05	.08	,02			.04			.21	.11	.16	T.	.34	.10	.02			.08	.34	.03			.02	.50					2.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amouuts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	29.99	30.36	1	29.66	22	10.4	30	w.	12	71	59	65	57
Harrisburg	29.97	30.44	1	29.64	6	6.7	25	w.	17	71	48	55	79
Philadelphia	29.99	30.44	1	29 64	15	12.0	43	sw.	22	66	46	56	74
Pittsburgh	30.00	30.32	1	29.65	6	9.5	35	nw.	26	74	59	57	68
Reading	29.97	30.45	1	29.67	6	10.0	50	sw.	22	69	48	55	65
Scranton	29.96	30.41	1	29.63	6	6.2	24	nw.	17	71	48	51	70

* For any five-minute period.   † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	4.0	7.6	16	3.0	13	18
Easton	Delaware						22
Lehighton	Lehigh	3.9	4.7	15	3.0	31	7
Wilkes-Barre	Susquehanna	6.9	9.9	7	5.2	31	20
Williamsport	Susquehanna	5.3	10.2	1	3.0	27	20
Harrisburg	Susquehanna	6.0	9.8	1	4.7	31	18
Greensboro	Monongahela	13.6	24.5	28	11.7	26	30
West Newton	Youghiogheny	2.1	4.1	7	1.0	25	20
Lock No. 4	Monongahela	14.4	22.9	29	12.3	27	30
Pittsburgh	Ohio		20.1*	1	11.9*	27	25
Midland	Ohio		23.1	1	11.6*	27	30

* —Pool stage.

Daily Temperatures for May, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	69	74	72	76	73	59	65	64	72	56	70	78	73	64	54	67	63	67	64	65	75	88	77	75	81	83	80	70	79	82	88	71.7
	Minimum	35	37	40	39	50	51	39	43	45	37	34	42	58	51	43	39	44	40	44	40	39	54	55	44	44	57	64	59	53	46	50	45.7
Bedford	Maximum	71	73	74	81	74	60	68	66	75	70	76	83	79	68	61	73	65	70	66	65	80	91	84	77	83	86	83	75	81	87	92	75.4
	Minimum	34	37	44	36	50	51	38	47	38	35	33	39	60	54	48	36	44	37	45	43	37	50	56	42	42	50	52	57	55	45	61	44.7
Bethlehem	Maximum	77	78	79	80	79	77	71	72	74	74	76	75	78	74	61	69	70	70	69	67	74	86	90	78	82	87	87	79	84	90	93	77.7
	Minimum	42	44	42	52	50	57	50	45	50	50	45	47	58	59	46	41	51	48	50	47	52	56	62	52	52	61	68	60	57	60	62	52.1
Brookville	Maximum	73	79	78	79	65	64	66	69	70	56	71	62	62	60	63	68	65	68	62	66	74	64	62	60	59	61	79	78	80	90	88	69.1
	Minimum	30	31	34	31	51	46	30	32	35	30	26	31	48	50	42	33	44	31	46	35	31	48	52	52	52	36	69	58	41	41	44	40.8
Butler	Maximum	76	79	80	81	63	63	67	70	68	60	75	85	80	62	59	69	67	65	64	65	63	86	84	80	82	81	81	81	82	88	91	74.1
	Minimum	48	45	43	51	54	41	34	40	45	34	29	35	55	50	42	41	39	35	49	39	35	59	55	49	40	50	63	60	47	52	60	45.6
Carlisle	Maximum	74	79	77	81	80	74	72	68	79	70	82	75	68	66	75	78	73	75	71	73	76	96	83	82	83	89	89	82	85	90	95	78.7
	Minimum	34	42	39	39	46	54	42	45	45	45	56	57	47	45	42	42	42	42	49	45	46	50	58	48	47	57	65	62	58	52	55	48.3
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	72	78	77	79	79	69	71	66	76	67	73	78	81	68	66	72	70	71	70	71	77	93	76	80	82	89	84	80	82	89	93	76.7
	Minimum	35	40	43	39	46	54	41	49	41	46	37	42	61	57	48	41	47	43	50	45	42	51	52	46	51	56	65	60	59	52	58	48.8
Chambersville	Maximum	72	77	75	79	76	60	65	66	72	57	70	84	68	56	60	71	68	68	62	67	74	86	78	76	80	82	78	74	80	86	88	72.7
	Minimum	35	35	43	36	51	44	32	38	32	36	27	48	52	49	42	37	45	33	45	37	31	56	52	40	40	52	59	57	50	44	47	42.7
Claysville	Maximum	76	77	76	78	75	62	68	69	72	66	75	83	67	63	62	72	69	68	65	68	84	88	87	78	86	84	83	81	83	88	92	75.6
	Minimum	35	39	48	52	53	43	34	42	45	35	30	44	53	49	43	40	46	35	39	33	42	61	54	44	47	53	58	60	51	45	49	45.2
Clearfield	Maximum	79	84	86	82	78	72	68	70	68	67	67	82	78	69	65	67	62	69	75	67	78	88	75	79	82	79	80	76	85	89	92	76.1
	Minimum	31	33	35	41	55	50	33	38	32	31	28	37	52	52	41	42	36	38	50	44	34	47	46	48	53	56	55	50	43	48	60	43.2
Coatesville	Maximum	59	50	61	59	65	64	60	62	65	64	69	60	68	63	57	60	57	59	58	65	73	66	74	64	77	75	80	75	79	78	85	66.2
	Minimum	36	39	41	48	44	57	50	44	47	49	39	43	57	57	48	41	52	45	51	43	45	51	59	53	50	59	62	60	57	55	60	49.7
Corry	Maximum	73	77	80	82	71	63	65	70	60	57	73	81	70	58	67	59	59	66	60	63	67	69	67	74	84	83	75	78	83	85	91	71.3
	Minimum	40	44	48	65	48	40	34	41	40	35	29	42	51	48	45	40	36	35	41	44	45	47	45	43	38	45	60	57	43	59	60	44.8
Emporium	Maximum	77	79	85	82	75	65	68	69	69	55	83	84	80	56	64	69	64	68	63	68	74	85	78	75	82	82	82	79	81	90	91	74.9
	Minimum	30	34	34	33	52	51	34	34	38	33	29	33	33	47	42	35	44	35	46	44	35	50	56	42	41	50	62	60	46	45	50	41.9
Erie*	Maximum	69	68	77	76	64	51	57	62	57	52	64	82	70	51	56	66	59	62	54	59	75	72	60	62	74	78	72	70	74	76	89	66.7
	Minimum	49	53	57	56	45	42	42	46	45	39	44	53	50	42	43	48	48	44	47	45	45	52	52	53	50	64	60	56	58	56	61	49.8
Franklin‡	Maximum	75	80	79	81	66	58	66	69	66	56	72	80	68	60	61	68	61	68	59	65	78	86	69	72	79	82	79	79	81	85	90	72.2
	Minimum	44	45	47	44	48	48	41	42	47	42	38	38	46	55	48	47	53	55	55	52	50	52	62	57	53	54	58	60	47	48	49	49.2
Freeland	Maximum	71	74	75	75	73	68	65	62	71	60	71	68	69	64	55	62	63	64	60	61	67	84	82	72	76	32	77	76	77	82	86	70.7
	Minimum	39	44	41	52	50	52	42	47	42	38	37	48	46	50	39	40	45	44	45	39	44	54	60	50	46	58	59	56	53	55	63	47.7
Gettysburg	Maximum	72	76	74	77	79	75	71	68	75	72	73	78	82	73	67	70	72	72	72	70	76	92	78	79	80	89	84	82	84	86	90	77.0
	Minimum	37	42	42	40	49	65	45	57	42	49	40	48	60	58	50	44	50	43	51	45	47	52	63	50	53	60	57	58	60	55	64	50.8
Greensburg	Maximum	71	80	78	79	74	60	67	69	75	58	73	83	68	59	59	69	65	66	63	65	77	85	72	75	82	81	79	76	81	90	90	73.2
	Minimum	40	45	48	48	54	44	37	45	46	40	34	50	54	52	45	42	47	40	42	40	40	62	55	42	47	56	61	58	57	49	53	47.5
Grove City	Maximum	71	75	79	74	72	60	64	62	59	57	73	79	63	59	56	60	62	63	60	64	73	76	67	71	75	75	69	76	83	83	85	69.2
	Minimum	43	48	49	49	52	41	38	42	47	42	35	65	54	49	41	45	43	40	36	37	41	44	50	48	55	59	60	59	51	54	56	47.5
Hamburg	Maximum	74	74	78	80	78	78	73	68	74	72	80	80	83	76	63	73	75	73	68	69	76	89	80	80	82	88	87	32	87	94	90	78.2
	Minimum	39	41	40	47	48	60	51	45	47	47	38	38	59	59	46	40	49	46	51	47	51	53	60	49	48	58	65	60	57	55	59	50.1
Harrisburg*	Maximum	71	73	73	76	76	69	68	65	73	61	72	75	80	65	64	68	69	69	68	69	73	92	75	77	79	86	83	76	81	85	91	74.3
	Minimum	43	47	46	49	52	56	50	50	48	48	47	53	60	51	48	48	49	47	51	49	51	56	58	53	53	61	64	62	62	57	63	52.6
Hawley	Maximum	70	75	79	81	78	71	73	69	75	63	71	73	69	63	55	69	64	66	61	60	70	83	78	70	79	83	77	76	79	85	91	72.8
	Minimum	31	32	31	36	38	54	39	36	43	38	31	31	56	53	42	30	45	41	46	39	34	46	55	40	38	45	60	58	53	45	47	42.4
Holtwood*	Maximum	70	73	73	77	77	73	73	67	75	61	73	74	82	65	64	73	70	70	67	68	74	88	75	75	79	86	82	77	81	86	86	74.6
	Minimum	40	45	45	48	52	61	54	51	52	48	44	50	64	56	50	48	54	54	54	50	50	56	60	55	55	62	64	64	64	63	64	54.1
Huntingdon	Maximum	75	76	77	81	78	66	69	68	76	62	75	80	76	59	65	72	68	71	68	70	78	91	76	80	83	88	83	78	82	87	91	75.8
	Minimum	32	36	39	34	49	54	35	44	42	36	33	38	58	55	45	37	41	36	46	46	38	58	53	40	42	55	61	58	51	45	51	44.8
Johnstown	Maximum	73	82	78	83	75	60	68	69	74	58	75	86	71	60	74	72	66	69	72	66	79	88	79	79	86	83	82	78	84	89	92	75.8
	Minimum	43	39	42	40	56	49	37	44	39	41	35	40	56	52	42	39	47	41	44	43	39	55	55	43	44	49	62	57	58	47	56	46.3
Lancaster	Maximum	75	78	77	81	82	80	74	76	79	79	76	77	86	73	69	72	74	73	71	72	77	93	89	82	83	89	87	84	85	90	93	79.9
	Minimum	32	37	37	37	43	56	50	42	42	49	35	38	62	62	47	39	44	42	51	42	39	44	60	45	46	56	64	58	57	52	56	47.2
Lawrenceville	Maximum	78	81	82	85	82	70	71	69	70	65	77	82	75	62	64	69	68	71	67	67	76	86	79	74	84	83	79	79	82	89	94	76.1
	Minimum	35	35	38	37	52	50	35	41	39	36	29	36	56	42	38	32	45	43	47	41	34	54	59	42	43	53	60	57	42	45	51	43.5
Lebanon‡	Maximum	74	75	75	79	80	74	72	66	75	61	74	76	82	63	64	70	71	72	70	70	74	92	80	80	82	88	85	78	82	87	91	76.2
	Minimum	36	45	40	41	48	58	48	47	42	47	37	43	59	60	45	40	44	42	50	44	43	54	59	48	49	62	65	59	60	54	58	49.3
Marcus Hook*	Maximum	75	75	81	83	80	74	73	....	71	76	78	87	83	67	74	78	76	82	70	78	94	93	84	82	87	87	86	79	88	90	93	80.8[a]
	Minimum	47	46	50	53	62	54	53	....	53	46	50	63	63	52	50	55	54	54	47	55	60	67	60	58	64	70	65	61	63	66	70	57.0[a]
Meadville	Maximum	76	82	81	80	73	59	65	69	67	57	72	82	68	59	60	67	67	66	60	63	75	86	85	69	79	82	82	79	82	80	92	73.0
	Minimum	44	41	48	44	54	41	37	39	47	37	32	45	55	49	41	41	48	37	44	39	36	60	52	46	39	58	58	58	47	48	52	45.7
Montrose	Maximum	71	74	74	77	72	63	67	66	70	54	67	72	69	59	51	64	63	65	62	59	68	78	76	66	74	77	75	75	76	80	85	69.3
	Minimum	41	47	44	49	49	52	40	45	43	38	34	46	44	47	38	38	46	43	44	38	41	52	56	47	44	55	59	58	48	51	58	46.3
Mount Pocono	Maximum	68	70	74	73	67	69	66	60	69	60	66	68	66	61	52	60	55	60	57	55	57	65	77	70	77	78	74	70	72	80	85	67.1
	Minimum	36	42	38	46	44	54	44	40	44	39	36	39	55	54	39	33	47	40	39	39	47	42	57	44	53	53	62	57	52	48	45	45.4
Philadelphia*	Maximum	74	74	75	77	78	74	72	59	70	63	75	76	83	70	63	69	72	70	69	69	75	90	83	77	80	83	83	79	80	84	86	75.2
	Minimum	46	48	48	52	51	60	55	52	52	51	48	52	61	57	50	49	53	55	53	49	54	59	66	61	60	62	66	62	60	61	63	55.4
Pittsburgh*	Maximum	72	75	74	78	69	60	65	67	70	58	73	82	66	59	60	70	63	65	62	65	80	86	72	75	81	81	80	77	80	87	89	72.3
	Minimum	46	51	53	53	54	43	41	49	46	41	41	51	52	51	42	46	47	45	46	40	49	63	54	55	54	61	61	60	58	56	60	50.6
Quakertown	Maximum	74	74	75	79	78	74	75	72	71	71	74	74	77	72	60	67	69	69	65	64	72	87	85	74	78	84	80	74	80	85	89	74.9
	Minimum	32	35	34	39	46	57	51	40	49	48	35	36	56	58	47	36	50	45	50	42	40	43	58	46	44	53	64	58	55	56	56	47.1
Reading*	Maximum	75	75	76	78	78	74	72	62	73	59	74	74	80	68	61	70	69	70	66	67	73	88	78	76	78	84	83	77	81	85	89	74.6
	Minimum	42	46	45	56	56	60	52	49	49	47	45	54	65	52	47	45	54	51	51	48	52	57	62	55	54	62	63	62	59	59	66	53.7
Ridgway‡	Maximum	75	79	78	80	63	64	65	65	67	52	72	82	65	58	63	68	64	67	60	66	72	83	70	74	80	80	78	78	79	87	89	71.7
	Minimum	32	34	35	34	52	46	31	34	35	31	27	35	58	50	41	34	45	33	45	42	32	47	53	41	38	50	61	58	41	42	46	41.4
Scranton*	Maximum	75	77	78	81	76	70	72	68	74	53	72	76	70	58	55	69	64	67	59	63	71	86	76	71	80	85	80	78	79	85	90	72.8
	Minimum	41	42	44	45	49	53	48	45	45	44	39	44	58	46	42	36	51	48	46	44	47	56	55	46	47	55	63	62	56	54	56	48.6
Selinsgrove	Maximum	74	78	74	77	73	74	69	70	73	68	74	74	68	63	62	68	69	70	66	69	69	89	79	80	78	85	82	84	79	88	90	74.7
	Minimum	38	41	38	38	47	56	45	42	40	42	35	41	48	54	44	39	45	45	44	46	42	52	48	45	48	57	59	58	59	58	60	46.9
Somerset	Maximum	65	70	68	76	70	57	60	60	56	55	65	75	75	63	52	67	60	58	57	57	75	80	77	67	77	77	75	68	75	82	81	67.7
	Minimum	30	31	32	32	46	43	33	40	36	34	27	38	58	48	42	30	45	35	40	38	33	48	52	36	36	49	60	56	52	40	43	40.7
State College	Maximum	72	76	75	78	72	65	66	68	73	60	72	78	66	59	62	69	64	69	66	77	73	87	74	77	74	82	81	74	78	85	90	73.1
	Minimum	40	40	46	43	55	52	38	44	42	36	37	49	59	50	41	40	46	41	47	43	43	53	58	47	46	53	63	58	50	47	56	47.2
Stroudsburg‡	Maximum	77	75	79	81	77	72	73	62	72	58	74	73	74	65	57	68	68	69	60	64	74	83	86	74	78	82	79	84	83	87	81	73.8
	Minimum	33	37	35	41	43	48	47	42	40	47	38	37	49	61	46	33	43	43	49	43	39	48	47	44	44	46	53	56	54	53	61	45.2
Towanda	Maximum	73	77	77	82	73	65	70	69	74	52	72	77	68	68	58	68	63	69	64	66	70	83	73	71	78	84	78	77	78	84	89	72.6
	Minimum	35	40	37	38	52	51	50	41	39	39	35	36	56	42	41	34	48	44	47	43	42	54	54	44	44	53	63	59	46	47	52	45.4
Uniontown	Maximum	79	81	80	82	75	60	67	65	75	59	75	84	72	61	61	71	69	71	67	67	81	87	70	78	84	81	80	79	81	87	90	74.8
	Minimum	49	43	50	51	56	46	37	47	45	42	34	48	57	52	47	43	49	40	45	37	45	64	56	46	48	55	64	62	56	49	52	48.9
Vandergrift*	Maximum	74	79	78	83	69	67	69	68	75	61	74	85	66	61	65	70	68	70	66	70	78	88	73	76	80	78	79	78	79	85	90	74.6
	Minimum	38	41	45	43	55	45	39	43	45	39	33	42	55	52	45	43	45	39	45	41	39	57	52	47	46	55	61	59	56	49	53	46.7
Warren	Maximum	70	78	79	78	68	68	59	64	60	60	62	76	59	66	58	65	64	62	64	56	61	55	72	65	72	76	72	75	74	85	88	68.8
	Minimum	42	46	47	45	53	48	40	44	46	42	36	46	47	50	44	44	47	42	50	46	44	55	60	53	46	58	55	57	49	50	51	47.8
Waynesburg	Maximum	78	80	79	80	72	64	67	67	72	61	74	83	69	65	61	69	66	67	65	68	81	88	82	77	83	81	82	77	81	86	89	74.6
	Minimum	38	38	45	51	54	45	35	45	45	39	33	44	55	50	45	43	47	38	44	37	45	62	56	45	47	54	60	60	55	47	51	46.9
Wellsboro	Maximum	74	75	78	82	68	60	70	68	71	55	70	80	75	63	60	68	57	69	62	64	76	85	76	72	82	82	73	76	82	88	93	72.7
	Minimum	37	35	37	36	50	52	33	40	32	36	29	34	55	43	38	32	43	39	46	40	32	50	48	40	42	52	60	57	40	43	48	41.9
Williamsport	Maximum	76	79	78	81	75	69	71	72	71	58	76	78	72	62	63	69	68	71	66	67	75	88	85	77	80	86	79	79	81	88	91	75.2
	Minimum	36	40	44	40	51	57	44	43	43	39	36	41	58	53	43	37	46	44	50	45	42	53	58	47	45	57	60	60	49	49	55	47.3
Williamstown	Maximum	70	78	76	81	79	77	74	72	74	72	72	74	74	76	68	66	67	74	66	66	72	92	88	86	78	83	81	82	79	89	89	76.5
	Minimum	38	40	43	51	50	49	43	51	45	40	39	51	56	52	40	45	44	45	46	42	46	53	54	51	48	59	63	57	55	56	62	48.8
York	Maximum	75	76	76	82	80	77	73	70	79	74	76	78	85	74	64	73	71	72	69	69	76	92	78	79	84	88	86	80	83	86	92	78.0
	Minimum	33	38	37	37	48	56	46	43	44	49	35	41	61	59	49	40	45	43	51	40	41	50	57	47	47	60	63	58	59	53	56	47.9

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* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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32 PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

VOL. XLII. JUNE, 1937. No. 6.

GENERAL SUMMARY.

Temperatures during June were mostly seasonable with no unusual extremes. Highest temperatures were recorded generally on the first, while minima occurred on several dates with the 12th predominating. The small excess in average temperatures was very favorable for growing crops. The rainfall was a little more than the June average, and its distribution was more uniform than usual. Deficiencies were recorded chiefly in a few central counties, where a large excess had accumulated since January 1st. Heaviest rains occurred generally in the second or third weeks. An intense local storm at Shippensburg deposited 5.43 inches of water on the 9-10th, of which 3.00 inches fell in one hour and twenty minutes. Severe storms occurred in several regions on the 14th, with damage mostly by strong winds rather than by excessive rains. A funnel cloud was observed near Greensburg, and its destruction was almost complete in a narrow path, varying in width from 50 to 100 feet. Its total damage was estimated at $50,000. In the region of Latrobe the destruction was similar in character, and it seemed to have been the same storm, although no funnel cloud was seen. The losses in that region were estimated at $30,000. Crops generally made good progress in June, and early fields of corn were being laid by at the close of the month. Barley was mostly harvested, and some was threshed, with good yields reported. Haying was in progress during the last half of the month, with timothy and clover reported good, and alfalfa a heavy crop. Wheat harvest began at a few places near the end of the month. The grain was headed on long straw, and seemed to be well filled. Oats was generally regarded as being the best for several years, but a few regions came in with the old complaint that the grain was heading on short straw. Potatoes made an unusually good showing, and were listed for a bumper crop. The acreage of tomatoes was large, and the outlook was for a crop about equal to the record breaker of 1936. Orchard fruits were generally the best for several years, although the apple crop was heavier than usual. A good crop of strawberries was reported in all parts of the State, while raspberries and blackberries were generally more promising than last year. Blackberries, especially, were growing very large.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 90 stations, was 69.5°, which is 1.4° above the 50-year normal for June. The highest monthly mean was 76.6°, at Marcus Hook, and the lowest was 63.0° at Gouldsboro. The highest temperature for the month was 99° at Ephrata on the 1st, and the lowest was 38° at Somerset on the 12th and 13th. The greatest daily range in temperature was 46° at Coudersport on the 24th.

PRECIPITATION.

The average precipitation for the State, as shown by the reports from 142 stations, was 4.37 inches, which is 0.27 inch above the 50-year normal for June. The greatest monthly amount was 9.32 inches at Shippensburg, and the least was 1.59 inches at Huntingdon. The greatest amount recorded in any 24-hour period was 5.43 inches at Shippensburg on the 9-10th.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	68.4	100	30	3.04	....	9	12	11	7
1889	66.7	95	33	5.43	....	15	5	12	13
1890	70.1	97	33	3.42	....	9	12	11	7
1891	68.2	100	30	4.50	....	11	14	8	8
1892	71.8	99	40	5.64	....	13	9	11	10
1893	69.8	100	38	3.12	....	9	10	11	9
1894	69.6	102	30	2.57	....	10	13	12	5
1895	71.4	104	32	3.50	....	9	13	10	7
1896	67.4	93	32	4.64	....	11	10	11	9
1897	64.8	96	28	3.38	....	11	11	11	8
1898	69.6	100	33	2.79	....	9	14	11	5
1899	69.9	101	32	3.51	....	9	13	11	6
1900	69.9	97	35	3.60	....	10	11	12	7
1901	69.1	103	32	3.47	....	10	12	11	7
1902	66.0	97	32	5.97	....	13	11	12	7
1903	63.5	90	34	6.53	....	15	7	10	13
1904	67.9	96	32	4.06	....	13	12	10	8
1905	68.0	99	30	4.39	....	13	11	10	9
1906	69.3	97	28	5.43	....	13	11	12	7
1907	63.6	98	30	4.99	....	12	11	9	10
1908	68.8	102	28	2.36	....	7	19	9	2
1909	68.8	96	34	4.48	....	13	12	9	9
1910	65.4	95	32	4.31	....	11	12	8	10
1911	68.3	99	38	4.71	....	12	12	10	8
1912	65.6	96	29	3.36	....	8	13	9	8
1913	68.2	99	20	2.26	....	7	19	7	4
1914	68.6	101	25	3.71	....	9	16	8	6
1915	65.6	92	31	4.00	....	11	14	10	6
1916	63.7	89	28	6.14	....	15	11	10	9
1917	66.8	92	32	5.38	....	14	12	11	7
1918	66.0	98	29	3.46	....	10	13	11	6
1919	71.2	102	32	3.90	....	10	16	9	5
1920	67.0	99	32	4.97	....	13	12	11	7
1921	70.6	101	26	3.12	....	8	17	9	4
1922	69.5	96	30	5.11	....	13	11	11	8
1923	70.9	103	32	2.73	....	9	16	9	5
1924	65.8	98	26	5.57	....	15	11	11	8
1925	71.9	104	29	3.04	....	9	16	11	3
1926	64.1	94	23	3.63	....	12	13	10	7
1927	63.8	99	25	3.72	....	9	15	8	7
1928	65.5	93	30	7.96	....	17	9	9	12
1929	67.8	98	28	3.56	....	10	15	10	5
1930	69.1	100	22	4.20	....	9	17	8	5
1931	68.5	102	28	3.71	....	9	16	8	6
1932	68.5	98	26	3.15	....	11	13	9	8
1933	70.9	107	28	2.58	....	9	18	8	4
1934	72.9	104	35	3.64	....	9	17	9	4
1935	67.4	96	33	4.22	....	12	13	9	8
1936	68.5	100	33	3.80	....	10	14	9	7
1937	69.5	99	38	4.37	....	12	13	9	8
Period	68.1	107	20	4.10	....	11	13	10	7

Climatological Data for June, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	71.6	+1.6	95	1	50	12	32	3.65	−0.29	0.82	0	14	17	13	0	ne.	John A. Frick.
Altoona	Blair	1,615	50	67.6	+1.0	90	1	47	13	32	3.27	−0.58	0.96	0	11	19	4	7	w.	John J. Martin.
Ardmore	Montgomery	350	17	70.2	−0.2	90	1	51	11	27	3.03	−0.74	0.88	0	10	....	....	....	......	H. L. Balderston.
Arendtsville	Adams	700	16	72.8	+2.2	98	1	49	12	38	5.33	+1.59	1.43	0	10	10	12	8	sw.	Harold J. Miller.
Bedford	Bedford	1,060	5	69.6	....	94	1	45	13	41	2.92	....	0.90	0	14	12	5	13	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	73.2	+2.7	95	1	51	12	31	3.14	−0.72	0.92	0	13	19	2	9	w.	Lehigh University.
Carlisle	Cumberland	467	71	73.4	+2.3	98	1	50	23	36	7.05	+3.19	2.68	0	11	16	7	7	nw.	Prof. C. E. Miller.
Catawissa	Columbia	520	41	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. L. Gearhart.
Center Hall	Center	1,272	41	67.2	+1.3	93	1	48	9†	36	2.02	−2.27	0.76	0	9	23	2	5	......	Edward E. Bailey.
Chambersburg	Franklin	680	38	72.8	+2.8	97	1	51	12†	34	7.26	+3.04	3.14	0	13	8	15	7	sw.	William B. Spear.
Clearfield	Clearfield	1,120	30	69.8	+2.5	94	1	43	13†	43	3.64	−0.97	1.40	0	9	15	5	10	nw.	E. W. Hess.
Coatesville	Chester	380	60	71.4	+1.2	93	1	50	12	32	3.31	−0.89	0.98	0	10	10	3	17	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	68.6	+0.5	91	1	49	23	33	5.75	+1.66	1.35	0	13	20	1	9	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	60	66.8	+0.9	92	1	44	13†	38	4.45	+0.11	0.91	0	16	14	6	10	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	73.6	+4.3	99	1	52	12†	36	6.34	+2.08	2.38	0	14	12	9	9	s.	Ira J. Keath
Freeland	Luzerne	1,970	44	67.1	+2.2	89	1	50	11	25	3.58	−1.38	1.17	0	12	4	5	21	nw.	Andrew B. Evansha
George School	Bucks	190	31	71.6	+2.3	93	1	51	12	31	3.85	+0.18	1.13	0	15	13	9	8	n.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	73.2	+3.1	95	1	63	12	31	6.93	+2.54	1.50	0	11	11	11	8	nw.	Dr Henry Stewart
Gordon	Schuylkill	840	33	69.2	+3.2	93	1	45	12†	37	4.88	+0.45	1.12	0	12	16	8	6	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	63.0	+1.8	86	1	42	11†	34	6.08	+1.57	1.72	0	9	16	8	6	w.	Ronald H. Marshall,
Hamburg	Berks	535	44	71.6	+2.4	97	1	52	12	33	4.65	+0.19	0.82	0	16	13	12	5	sw.	State Sanatorium.
Hanover	York	600	33	73.6	+2.2	94	1	54	12†	29	7.80	+3.79	1.46	0	14	15	5	10	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	72.2	+1.9	94	1	56	11	27	7.14	+3.65	1.75	0	10	6	19	5	w.	U. S. Weather Bureau.
Hawley	Wayne	900	19	65.8	−0.4	92	1	42	12	40	5.59	+1.74	2.29	0	13	17	7	6	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	73.8	+1.2	92	1	59	11	25	3.43	+0.22	0.74	0	13	13	9	8	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	69.9	+1.4	95	1	44	13	41	1.59	−2.53	0.49	0	8	16	8	6	w	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	72.0	+3.4	95	1	44	13	44	2.22	−2.06	1.08	0	7	13	11	6	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	6	65.6	....	89	1	44	23	33	2.89	....	0.93	0	12	5	15	10	nw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	72.4	+2.4	97	1	49	23	37	5.74	+1.68	2.08	0	12	13	12	5	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	40	67.5	+1.5	95	1	42	23	39	4.42	+0.50	1.68	0	9	15	6	9	......	C. P. Darling.
Lebanon	Lebanon	469	53	71.4	+1.6	97	1	52	12	32	6.13	+1.78	1.95	0	10	14	6	10	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	71.3	+1.6	97	1	49	23	36	3.15	−1.11	0.62	0	12	11	14	5	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	76.6	+1.6	96	5	55	10	33	5.08	+1.46	1.09	0	11	22	0	8	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	71.2	+2.2	97	1	43	10	43	1.93	−2.29	0.60	0	8	14	7	9	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	64.0	+2.3	87	1†	43	13	32	3.55	−1.21	1.00	0	11	7	4	19	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	66.8	+1.4	92	1	41	23	38	5.03	+0.66	2.02	0	10	20	2	8	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	71.0	+1.9	92	1†	48	12	32	4.08	+0.21	1.00	0	12	17	4	9	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	69.6	+1.8	94	1	48	12	32	6.43	+2.72	1.62	0	16	19	6	5	e.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	72.6	+1.2	91	6	65	11	24	3.51	+0.27	1.02	0	11	6	14	11	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	73.0	+1.4	95	1	49	12	33	3.60	+0.23	1.15	0	11	15	10	5	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	69.2	+0.8	93^{b}	1	42	23†	41	3.32	−0.59	0.66	0	11	11	12	7	se	John E. Benner.
Reading	Berks	273	67	72.0	+2.2	93	1	54	12	25	3.10	−0.45	0.66	0	15	6	14	10	se.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	67.5	....	92	1	46	12†	36	5.47	....	1.50	0	10	16	9	5	sw.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	69.2	+1.4	93	1	51	12	31	5.89	+2.22	1.97	0	12	6	15	9	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	47	71.6	+2.6	91	6	47	13	33	2.97	−1.16	0.66	0	11	14	6	10	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	73.6	+1.2	90	1†	53	12	29	2.80	−0.62	0.74	0	10	9	13	8	nw.	W. S. Gniles.
Shippensburg	Cumberland	660	4	72.3	....	94	1†	53	12†	32	9.32	....	5.43	0	13	12	11	7	sw.	State Teachers College
State College	Center	1,217	53	68.4	+1.7	92	1	47	23	34	2.30	−1.82	0.66	0	10	17	9	4	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	67.8	+1.0	96	1	45	12	41	5.05	+0.73	1.80	0	8	13	3	14	sw.	State Normal School.
Towanda	Bradford	754	43	66.8	+1.1	93	1	45	13†	36	4.70	+0.88	1.34	0	10	9	9	12	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	66.0	+1.5	97	6	42	23	41	2.50	−1.23	0.79	0	11	14	9	7	ne.	George W. Hill.
West Chester	Chester	455	88	71.4^{a}	+1.8	92	1	51^{a}	12	30^{a}	4.11	−0.44	1.35	0	11	9	14	7	sw.	Harlan Saylor.
Williamsport	Lycoming	521	61	69.9	+0.9	93	1	49	13	34	3.50	−0.36	0.87	0	10	13	5	12	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	70.2	+2.0	94	1	49	20	36	3.31	−1.20	0.81	0	12	12	10	8	sw.	Susquehanna Collieries Co
York	York	400	49	72.3	+2.1	95	1	50	12†	34	6.62	+2.87	1.01	0	14	15	11	4	s.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	64.6	+0.9	90	1	40	12†	44	5.33	+0.99	1.67	0	14	7	7	16	......	Frank S. Fawcett.
Butler	Butler	1,077	24	68.4	+0.6	91	1	42	13†	43	5.33	+0.67	1.43	0	12	17	8	5	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	68.0	+0.2	91	1	44	12†	39	5.27	+0.52	1.67	0	12	16	3	11	sw.	John E. Lewis.
Clairton	Allegheny	1,020	5	68.0	....	89	1	49	12†	31	2.66	....	1.07	0	13	7	9	14	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	32	71.2	+1.8	93	5	45	12	40	4.12	−0.18	1.80	0	15	17	7	6	nw.	J. L. Melvin.
Corry	Erie	1,430	24	67.1	+1.8	90	26	40	10	38	6.74	+1.93	1.23	0	13	14	12	4	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	40	70.0	+1.3	90	5	48	12†	35	3.20	−1.74	1.11	0	10	11	14	5	w	Ted R. Wineman.
Donora	Washington	762	11	72.3	+0.9	94	2	53	13	36	3.48	+0.08	0.90	0	14	9	16	5	nw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	20	66.9	+1.9	87	1†	44	23	33	3.71	−1.13	0.93	0	12	20	6	4	w.	D. H. Jones.
Franklin	Venango	957	63	65.4	−0.8	88	1†	45	12†	39	5.38	+1.25	1.04	0	14	5	6	19	s.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	70.0	+1.4	89	1†	50	12†	33	3.89	−0.50	1.01	0	12	11	16	3	w.	Westmoreland Water Co
Greenville	Mercer	950	41	69.6	+2.7	92	5†	40	12	41	5.57	+1.66	1.50	0	13	16	4	10	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	67.2	+1.1	88	25†	42	23	40	3.56	−0.51	0.92	0	10	13	10	7	......	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	69.4	+0.7	90	1	46	12	37	4.03	−0.36	1.28	0	13	20	7	3	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	70.9	+1.5	93	1	48	12	41	3.60	−1.60	1.01	0	10	15	10	5	w.	Robert Tross.
Kane (near)‡‡	Elk	2,020	5	64.9	....	90	1	41	12	35	5.80	....	1.60	0	15	14	7	9	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	45	69.0	+0.6	87	1†	50	12	29	3.52	−1.36	0.90	0	14	7	18	5	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	68.6	+2.9	90	25	44	12	36	9.01	+4.95	2.62	0	11	15	5	10	w.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	70.1	....	91	2	46	24	37	3.89	....	1.04	0	12	8	16	6	nw.	Perry P. Campbell
New Castle	Lawrence	808	57	68.8	−0.1	89	1	43	12	32	4.18	−0.11	1.06	0	20	13	11	6	sw.	New Castle Water Co
Newell	Fayette	800	17	68.4	−1.5	87	1†	49	13†	29	4.53	+0.68	1.10	0	10	16	10	4	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	70.2	−0.5	91	1	52	11	28	2.65	−1.16	1.21	0	11	4	14	12	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	65.0	+0.9	90	1	39	23	40	4.75	+0.37	1.17	0	14	7	11	12	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	65.7	+1.8	85	1	47	12†	30	3.76	−1.43	0.55	0	16	6	16	8	w.	J. D. Beachy.
Sharon‡‡	Mercer	940	24	71.8	+3.0	95	6†	47	12	34	4.79	+1.11	1.21	0	14	15	11	4	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	70	63.4	−1.9	84	5	38	12†	37	3.93	−1.71	0.87	0	16	4	19	7	nw.	D. L. Grove.
Uniontown	Fayette	1,100	49	71.2	+1.1	94	1	49	13	34	3.66	−1.06	0.99	0	12	10	17	3	ne.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	70.2	+0.7	94	1	48	13	37	2.89	−1.35	1.57	0	7	25	4	1	......	Carnegie-Illinois Steel Corp.
Warren	Warren	1,180	48	66.5	+1.3	85	1	48	11†	28	8.59	+4.12	2.08	0	10	13	7	10	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	70.8	....	91	1	48	12	34	4.33	....	1.08	0	11	1	26	3	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	67.2	+1.0	85	25	52	10	24	6.64	+3.30	3.48	0	11	10	13	7	nw.	U. S. Weather Bureau.
For the State	......	......	50	69.5	+1.4	99	1	38	12†	46	4.37	+0.27	5.43	0	12	13	9	8	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-7-26-37-1050.

Daily Precipitation for June, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh		.18		.21			.08	T.		.02	.30	.10		.53	.03			.48	.03	.62		.82						.17	.08			3.65
Altoona	Juniata			.19				.38			.13	.10			.34			.10	.70			.96	.05					T.	.18		.14		3.27
Ansonia‖	W. Br. Susq				.54	.48		.09			.53	.01			.65	.62			.09	.01		.27	.48						.28	T	.08		4.13
Ardmore	Lower Del										.06	.80		.03	.03			.55	.05	.07		.88				T.		T.	.45		.11		3.03
Arendtsville	Lower Susq			.75						1.43		.43			.24			.57	.94			.45						.33	.02		.17		5.33
Baker's Summit	Juniata																																
Bedford	Juniata			.08		.10				.02	.12	.30			.35			.20	.08	.07		.03	.87				T.	.40	.23	.07	T.		2.92
Bellefonte	W. Br. Susq			.26				T.		.03	.10	.01		T.	.42			T.	.25			.71						T	.36		.10		2.24
Bethlehem	Lehigh		.11	.08	.11			.15	T		.02	.36			.63	.05		.16	.22		.06	T.	.92						.27				3.14
Big Knob	Middle Susq				.06						.33	.07				.25			.37			.30	.45						.11	.05			1.99
Bloserville‡‡	Lower Susq			1.25						1.10		.16				.50			.72			1.42				T.					.35		5.50
Buffalo Mills‖‖	Juniata										.12					.65		.11	.21	.04			.39						.51				2.03
Carlisle	Lower Susq			2.33						T.	2.30	.38			.56		.03	.32	.05	.03		.22	.60					T.	.23	T.			7.05
Catawissa	N. Br. Susq																																
Center Hall	Susquehanna			.15					.04						.04			.10	.36				.18	.76					.12		.27		2.02
Chambersburg	Potomac			1.73						1.56	1.58	.35			.19	.02		.32	.29	.04		.05	.77						.28		.08		7.26
Clearfield	W. Br. Susq			.25				.45			61				1.40	.03	.02	.09	.09		T.	.70	T.					T.					3.64
Coatesville	Lower Del	.01		.60	.03							.98			.12			.22		.24			.27						.49		.35		3.31
Colebrook	Lower Susq	T.	T.	.30	.01					.60	.72	.27			.13	.02		.63	1.35	.02	T.	1.05							.10		.55		5.75
Conshohocken	Schuylkill			.03	.39				T.			.87			.03	.19		.18	.66				.98						.45		.03		3.81
Doylestown	Lower Del			.12	.14			.12	T.			.62			.05	.05		.41	.28		.01	.18	.28						.26		.40		2.92
Emporium	W. Br. Susq			.11			.04	.18			.86	.02			.91	.24		.35	.18	.17		.88	.05					.10	.28	.04	.04		4.45
Ephrata	Lower Susq			.02	.32					.05	.11	.58				.09		.59	.31	2.38	T.	.06	.17				.63	T.	.15		.88		6.34
Forest City	N. Br. Susq																																
Freeland‖‖	Lehigh				1.17	.02	.02	.09			.18	.13			.35	.05			.34	.13		T.	.97	T.						.13			3.58
Galeton	N. Br. Susq			.26			.92	.09			.83				1.07	.52		.08	.12	.02		.57						.02	.08	.02	.05		4.65
George School	Lower Del			.13	.21	T.	.18	.17	.01	.33	T.	.90	T.		.05	.01		.09	.25			.05	1.13						.33		.01		3.85
Gettysburg	Potomac			.90						T.	.60	.42				.27		.78	1.50	.33		.01	.84					T.	.50	T.	.78		6.93
Girardville‖	Lower Susq			.54				T.		.39	.15			.64	.14	.06		.47	.32	.04		1.14	.04						.12		.65		4.70
Gordon	Lower Susq			.60							.50	.13			.38	.10		.65	1.01		.02	.13	1.12						.12		.12		4.88
Gouldsboro§‖	Lehigh				.35			1.10				.45			.63				.50		.60		1.72						.63	.10			6.08
Graterford	Schuylkill		.08	.17	.16					.21		.34	T.					.21	.57				.41						.34		.86		3.35
Hamburg	Schuylkill		.01	.40	.01		.15	.03			.72	.26			.25	.18		.37	.82	.12		.60	.25						.24		.24		4.65
Hanover	Lower Susq			.02	.47			.09			.27	.83			T.	.48		1.46	.86	.37		.01	1.15						.50	.09	1.20		7.80
Harrisburg***	Lower Susq			.29				T.	T.	1.75	T.	.23		T.	.61			.90	1.52		T.	1.16	T.					.02	.22		.44		7.14
Hawley‖	Upper Del				.54		.02	1.04			.03	.02			.65	.03			.45	.09	.01		2.29						.40	.02			5.59
Hollisterville	Upper Del				.49			1.21			.04	.03			.46	.02			.20	.09		T.	2.70						.26	.05			5.55
Holtwood‡‡	Lower Susq				.40				T.		.03	.70	.02			.20		.07	.67	.07	.06		.46	T.				.39	.35	.01	T.		3.43
Huntingdon	Juniata			T.							.10			T.	.29			.10	.20			.49						.08	.15		.18		1.59
Hyndman	Potomac			.03						T.	1.08	.35							.21	.10				.42							.03		2.22
Kylertown	W. B. Susq			.26			T.	.04			.45	.01		T.	.92	.03		T.	.13	.15		.78						.01	.10	.01	T.		2.89
Lakeville‖‖	Upper Del				.62			1.15	T.		.06	.07			.54	.02		T.	.38	.02			2.40			T.			.48	.04	T.		5.78
Lancaster	Lower Susq			T.	.28						.08	.64				.09		.74	.37	2.08		T.	.20					.02	.18	.18	.88		5.74
Lansford‖‖	Lehigh		.01		.44						.40	.18			.49	.08			.55	.08			.93						.18	.07			3.41
Lawrenceville	N. Br. Susq			.28			.45				.45				.90			.10	.14			1.68	T					T.	.32	.10			4.42
Lebanon	Lower Susq			.34				T.		1.04	.23			T.	.23		T.	.68	1.95	T.		.95						.08	.02		.61		6.13
Lehighton‖‖	Lehigh				.53			.76			.47		.20		.59				.64	.08	.55		1.47							.27			5.56
Lock Haven	W. Br. Susq			.40				.49			.19				.56	.08		.04	.14			.14	.62						.40	.03	.06		3.15
Marcus Hook	Lower Del				.15			.52	.01			.77			.02			.11	.67	1.09		.57							.64		.53		5.08
Matamoras‖‖	Upper Del		.12		.42			.72				.02			.26	.08			.28	.48			1.42						.50	.07			4.37
Mifflintown	Juniata			T.			T.			.22	.04				.24			.39	.12			.60							.24		.08		1.93
Montrose	N. Br. Susq			1.20			.45	.58			.10				1.15			.05	.50			1.14	.26						.94				6.37
Morris Run	N. Br. Susq			.66							.28				.90	.10		.13	.44			.79						T.	.62	.12	.06		4.10
Mount Pocono	Upper Del		.10						.05		.15		.05		.10	.03		1.00	1.00		.60								.40		.07		3.55
Muncy Valley	W. Br. Susq			.14							.12				1.04	.17		.13	.39			2.02							.87	.03	.12		5.03
Neshaminy Falls‖‖	Lower Del			.20	.20		.60	.27	.02		T.	1.00			.07			.18	.11			.68							.30	.45			4.08
New Park	Lower Susq																																
Newport‖‖	Juniata				.96						1.33	.07				.27			.45	.35			.65						.25	.05			4.38
Palmerton‡	Lehigh	.04		.29	.01		.12	.01		.33	.14	.14		.63	.03			.67	.92	.02		1.62							.15		1.31		6.43
Paupack‖‖	Upper Del				.45			1.80				.10			.55				.45	.02	.07		1.75						.25	.04			5.48
Philadelphia***	Lower Del			.12	.01		.44		T.		.04	.77	T.	.02	.14			.45			T.	1.02							.36		.14		3.51
Phila. Navy Yard‡	Lower Del			.13			.48		.01			.87	T.		.39			.34		T.		1.24							.62		.13		4.21
Phila-P'nt Breeze.‡	Lower Del			.13			.79		.01		.04	.66	.01		.33			.89	T.			.98	T.					T.	.40		.23		4.47
Phoenixville	Schuylkill			.17	.23				T.	1.15	T.	.82		.05	T.	.08		.05	.16			.01	.56				T.		.32				3.60
Pine Grove	Lower Susq			.31						1.70		.24		.02	.42			.97	.84			.60							.20		.68		5.98
Pleasant Mt.‖‖	Upper Del			.38		.39	1.48						.38		1.15				.25			1.75							.60	.03			6.41
Pottstown	Schuylkill																																
Pottsville	Schuylkill				.33						.56	.11			.10	.09		.60	.07	.40	T.	.01	1.70						.25				4.22
Quakertown	Lower Del			.03	.09			.01	T.	T.		.49			.46			.23	.19			.32	.39						.45		.66		3.32
Reading***	Schuylkill	.08		.27			.01	.01	T.	.07	.02	.39	T.	T.	.09			.29	.16	.26		.61	T.				.11	T.	.11	T.	.62		3.10
Renovo‖	W. Br. Susq				.63			.39			.33	.04			.83	.30			.15	.09			1.53						.21		.12		4.62
Retreat	N. Br. Susq			.75						.12		.08		1.50	.80			.33	.14			1.02						T.	.40		.33		5.47
Scranton***	N. Br. Susq	T.		.91			1.30			.06	.12	.01		.20	.38			.07	.01	T.		1.97	T.					T.	.61	T.	.25		5.89
Selinsgrove	Lower Susq			.45							.22		.11		.22	.03		.40	.66	.02		.40							.34		.12		2.97
Shawmont	Schuylkill			.10	.30				T.			.74		.10	.02	.02		.40	.21		T.	T.	.60						.31				2.80
Shippensburg	Lower Susq			.02	.66	.03					5.43	.40				.05		.37	.68	.59		.08	.59						.27		.15		9.32
State College	W. Br. Susq			.16		T.					.10	.03		T.	.34			.08	.34	.11	T.	.66						T.	.38	T.	.10		2.30
Stroudsburg‖‖	Upper Del			.40				.30		.05					.60				.79			1.80							.25		.86		5.05
Sunbury‖‖	Lower Susq				.50						.20	T.			.23	.18		T.	.39	.81			.88						.20	.11	.09		3.59
Susquehanna‖‖	N. Br. Susq		T.		.99		.39	.43			.09			.06	.54	.12			.43	.04	T.	.04	1.30	T.					.57	.04	.35		5.39
Towanda	N. Br. Susq			.39			.44	T.	T.		.13			T.	.72	.08		.05	.29	T.		1.06						T	1.34		.25		4.70
Weikert	Lower Susq			.10						.23	.05				.15			.15	.14			.70							.21				1.73
Wellsboro	N. Br. Susq			.32				T.	T		.21				.79	.06		.03	.01			.74	T.					.02	.24	.06	.02		2.50
West Chester	Lower Del			.11	.24				T.		.04	.84	.03		T.	.05			.33	.05			1.35						.43		.64		4.11
Westgrove‖‖	Lower Del				.25							.75	.04			.17							.57	T.					.44	.13			2.35
Wilkes-Barre‖‖	N. Br. Susq		.25		.87			.02			.10	.06			.44	.12			.05	T	T.	T.	2.00						.50	.06			4.47
Williamsport‖‖	W. Br. Susq				.50			T.			.09	.01			.60	.47			.13	.05		T	.87						.73	.05	T.		3.50
Williamstown	Lower Susq			T.	.55						.68			.01	.30		.25	.20	.02		.03	.81							.29		.07		3.31
York	Lower Susq			.02	.61			.83			.27	.69				.46		.62	.58	.71		.03	.36					T.	.40	.03	1.01		6.62
York Haven‖‖	Lower Susq				.74						1.98	.33				.05			.72	.05			.26						.16	.03			4.32
Zionsville..(near).	Schuylkill				.11					.34		.53			.46			.21	.46			T.	.62						.45				3.18
Trenton. N. J***	Lower Del	.12		.15	.03		1.22		.01	.10	T.	.62		T.	.26			.13	T.	T.	T.	.66	T.						.25		.50		4.05

Continued on page 29.

Daily Precipitation for June, 1937—Continued from page 28

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver				.06			.07		.30	.79	.22			.21	.11		.14	.38	.02		.80	.73						.03		T.		3.86
Blairsville	Allegheny		T.	.04	.49			.12			.18	.17				.60		T.	.34	.03		.38	1.27						.07		.03		3.72
Bradford	Allegheny			.19				.02			1.51				1.19	.32		.72	1.44	.07		1.13	.02					.16	.10				6.87
Brookville‖‖	Allegheny			.03	.19			.03			.85	.07			1.67			.31	.28	.49	.02	.05	1.02						.25	.07			5.33
Butler	Ohio			.11				.08	.03	1.02	.22				.25	1.08	T.	.31	.13		1.43	.62						.05					5.33
Chambersville	Allegheny				.30				.61			.34	.06			1.03	.29		.29	.03	.17		1.67	.45							.03		5.27
Clairton‡	Monongahela	.10		.18	T.		.05	.04		.18	.15				.55		T.	.20	.06		.05	1.07						.02			.01		2.66
Clarion	Allegheny			.25			.25			.02	.76	.10			1.19	.41		.09	.41	.04		.31	1.13						.25	.04			5.25
Claysville	Ohio			.03		.01	.19	.10			.35	.14			.58	.05		.04	.34			1.80	.01				*	.20	.02		.26		4.12
Confluence‖‖	Youghiogheny		1.10		.25						.10	.60				.53			.10			.12	.42						1.02		.16		4.40
Connellsville	Monongahela		.02		.26						.18	.23			T	.51			.33	T.	T.	.34	.59						.82		.21		3.49
Corry	Allegheny			.41				.08			1.04				1 23	.03		.46	1.02		.17	1.16	.23		.17	.15		.59					6.74
Coudersport	Allegheny		.26				.25				.90				1.22	.41		.23	.28	.20		.83									.03		4.61
Derry	Conemaugh	T.		.57						.11	.23	.15			.53			.08	.30	.02		1.11									.10		3.20
Donora‖‖	Monongahela		.02	T.	.12		.01	.05			.23	.26				.90		.03	.41	T.		.63	.51					.03	.18		.10		3.48
Du Bois	Allegheny			.92				.54			.62	.02			1.28	.13		.25	.13	.35	.01	.69	.01					T.	.04		T.		4.99
Ebensburg	Conemaugh				.38			.32			.18	.15			.08	.52		.46		.06		.32	.93						.08		.23		3.71
Franklin‖‖	Allegheny				.35			.66		.17	1.04	.12			.81	.37		.08	.31	.05		.30	.97						.13	.02			5.38
Greensboro‖‖	Monongahela		T.		.59			.04			.21	.51			T.	.70			.18			.24	.49						1.17		.10		4.23
Greensburg	Youghiogheny	.80		.52		T.		.01		T.	.29	.12		T.	.56			.10	.36	T.		1.01						.04	.04		.04		3.89
Greenville	Beaver			.25			.05	.55		.15	1.45	.18			.46	.05		.35	.25	.05	T.	1.50						T.		.28			5.57
Grove City	Beaver			.10			.05				.92	T.			.55	.10		.35	.30	T	.77	T.		.37				T.		.05			3.56
Herrs Isl. Dam‖‖	Ohio			.03	.01		.06	.02		T.	.39	.15			.17	.17		T.	.06	T.		.54	.85						T.		T.		2.45
Irwin	Monongahela	.03		.49		T	.02	.03			.31	.07		T	.62	T.		.22	.70	T.		1.28						.03	.17		.06		4.03
Johnstown	Conemaugh	T.		.64						.03	.06				.81			.03	.58			1.01	.17					.02			.25		3.60
Kane (near) ‡‡	Allegheny			.11				.44		.05	1.07	.05			.94	.18		.35	.29	.22		1.60	.05					.30	.02	.13	T.		5.80
Kregar‖‖	Youghiogheny																																
Lake Lynn‖‖	Monongahela				.17			.04			.14	.64				.85			.10	.02	.01	.24	.80					.01	1.08				4.10
Linesville‖‖	Beaver																																
Lock No 2‖‖	Ohio			.01	.03		.07	.26			.44	.23				.10		.02	.09			.65	1.06								.03		2.99
Lock No. 4‖‖	Monongahela				.16		.04	.09			.28	.31				.67		.01	.44			.32	.81						.13		.08		3.44
Lock No. 5‡‡‖‖	Allegheny			.01	.10			.05		.17	.42	.17			.67	.15		.15	.13	T.		.64	1.16						.03				3.85
Lycippus	Conemaugh	.13	.04	.30				.04		.11	.24	.27			.60			.14	.49	.04		.90						.12	T.		.10		3.52
McKeesport‖‖	Monongahela				.27		.04				.20	.12			.08	.30			.07			.34	.57						T.		T.		1.99
Meadville	Allegheny			.50			.54	.15			1.35				2.62			.24	.95	.13		2.41						.08		.04			9.01
Midland	Ohio				T.		.03	.12		.12	.90	.18			.02	.16		.09	.42			1.04	.80					.01					3.89
Mosgrove‖‖	Allegheny			.04	.10			.73		T.	.60	.09			1.17	61		.20	.17	.06		.29	.75						T.				4.81
Mount Lebanon	Ohio	T.		.07			.17	T.	T.	.02	.54			T.	.64	T.	T.	.10	.09	T.	T.	1.60	.02					.03		T.	.09		3.37
Natrona‖‖	Allegheny			.05	.10		T.	.10		.01	.41	.16			.16	.22		.21	.09	.02		.50	1.26						.10				3.39
New Castle‖‖	Beaver	.01		.07	.06		T.	.07		.02	.80	.19	.02	T.	.08	.57	.06	.41	.59	.07		.74	.32	.02	.01			.05	.02				4.18
Newell	Monongahela				.06			.07			.24	.25				.76		.90	.40			1.10	.60								.15		4.53
Parkers Landing‖‖	Allegheny			T.			T.	.05			.62	.78			.17	.36		.08	T.	.48		.40	.35						T.	.02			3.31
Pennline‖‖‡‡	Beaver																																
Pittsburgh***	Ohio	T.		.26			.07	T.	T.	.01	.38	T.		T.	.43		T	.10	.13	T.	.02	1.20						.02		T.	.03		2.65
Punxsutawney‖‖	Allegheny		T.	.06	.20		.04	.47			.44	.05			1.34	.26		.02	.33	.02		.23	.78						T.		.86		5.10
Ridgway	Allegheny				.08			.50		.02	.54	.07			.84	.26		.18	.66	.07		.04	1.17						.23	.09			4.75
Salisbury (near)	Youghiogheny	.44	.10	.15	T.		.01	T.		.15	.20	.54	T.		.47	.01	T.	.40	.02	T.		.55	.01				T.	.49	.14	T.	.08		3.76
Saltsburg‖‖	Conemaugh			T.	.08						.15	.19			.22	75			.35	.01	T.	.39	1.08					.07		.01			3.30
Sharon‖‖	Beaver	05			.09			.52		.18	1.21	.11			.54	63		.45	.08	T.		.61	.16						.06	.10			4.79
Smethport‖‖	Allegheny			.03	.25			.05			1.05	.25			1.02	.10			1.53	.85		.05	1.03						.25		.15		6.61
Somerset	Youghiogheny	.02		.13		.02				.05	.04	.45			.73	.14		.25	.71	.09		.28	.42					T.	.37	.03	.20		3.93
Springdale‖‖‡‡	Allegheny			.13	.02		.04	.01		T.	.42	.29			.08	.12		.07				.49	.88										2.55
Uniontown	Monongahela			.09				.02		.12	.17	.34			.34	.09		T.	.29			88						.99	.24		.09		3.66
Unity Reservoir‡‡	Youghiogheny	.92		.29		T.	.01	.05		.01	.40	.10		T.	.87			.11	.49			1.06						.09	.05		.03		4.48
Vandergrift‡	Conemaugh						.17		T.	.05	.54				.50						.25	1.32						.06					2.89
Warren	Allegheny				.34			.04			1.76				1.56			1.14	2.08			.45	.76					.20	.26				8.59
Waynesburg	Monongahela		.26	.20			.21				.62	.11			.32	.32			.52			1.08						.33			.36		4.33
Westford‖‖	Beaver		.27	.18			.80				1.40	.12		1.50	.02		.25	.66	.20		.45	.80						.02	.16				6.82
West Newton‖‖	Youghiogheny		.03	T.	.09			T.			.20	.25				.84			.68			.32	.78						.06		.04		3.29
Lake Drainage.																																	
Erie***	Lake Erie			.87			T.			.19	.55			.03	.49			3.28	.45	.01	.01	.36						.40					6.64

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	29.93	30.29	11	29.59	21	9.9	33	nw.	14	77	65	67	58
Harrisburg	29.90	30.21	16	29.49	21	6.5	32	w.	14	76	56	62	71
Philadelphia	29.92	30.28	16	29 47	21	11.5	31	sw.	14	73	57	64	62
Pittsburgh	29.94	30.29	12	29.57	21	9.2	42	nw.	14	79	53	59	70
Reading	29.90	30.24	16	29.49	21	9.7	45	nw.	14	77	56	66	51
Scranton	29.92	30.28	17	29.53	21	6.0	24	nw.	10	76	54	62	61

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.4	6.1	23	2.6	14	18
Easton	Delaware	3.2	7.7	23	2.1	15	22
Lehighton	Lehigh	3.0	3.7	23	2.8	13	9
Wilkes-Barre	Susquehanna	4.7	10.9	23	3.3	12	20
Williamsport	Susquehanna	2.3	4.8	23	1.5	14	20
Harrisburg	Susquehanna	4.3	5.8	25	3.8	14	18
Greensboro	Monongahela	12.4	19.2	23	11.2	14	30
West Newton	Youghiogheny	0.8	1.7	3	0.0	27	20
Lock No. 4	Monongahela	13.0	18.1	23	11.6	14	30
Pittsburgh	Ohio		19.3*	23	11.2*	10	25
Midland	Ohio		20.5	23	9.8*	8	30

* —Pool stage.

Daily Temperatures for June, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	90	84	75	80	87	83	78	78	85	75	76	77	77	83	79	79	74	76	70	80	74	76	78	80	83	86	79	81	78	70	....	79.0
	Minimum	63	59	60	52	55	64	64	49	53	63	49	48	47	65	61	54	62	61	62	52	60	56	48	48	53	59	57	64	52	49	....	56.8
Bedford	Maximum	94	88	87	85	88	87	85	81	88	77	78	81	84	81	80	82	80	84	78	82	80	78	80	83	87	87	86	80	79	77	....	82.9
	Minimum	59	60	61	53	60	63	62	52	47	63	53	52	45	61	59	53	63	64	62	58	56	56	46	47	52	56	64	63	49	49	....	56.3
Bethlehem	Maximum	95	93	80	81	91	92	91	85	88	83	77	79	84	87	87	84	79	85	82	78	79	79	84	88	90	89	78	70	84	86	....	84.8
	Minimum	68	67	59	58	60	68	66	67	60	66	52	51	69	63	63	63	58	66	66	61	67	60	57	60	60	62	61	60	61	60	....	62.0
Brookville	Maximum	90	82	73	64	85	85	77	79	71	68	76	78	78	81	79	82	71	74	76	78	80	78	75	83	86	88	77	80	75	70	....	78.0
	Minimum	55	53	53	41	53	61	59	41	49	61	45	40	42	56	58	57	59	61	60	50	52	49	40	43	42	51	53	62	47	41	....	51.1
Butler	Maximum	91	83	81	86	89	90	80	81	88	85	77	78	77	83	78	82	81	78	80	75	79	78	85	86	88	88	90	82	78	70	....	82.2
	Minimum	60	58	51	46	59	59	59	46	55	59	49	44	42	55	60	54	65	65	58	52	53	53	50	47	45	66	64	67	52	42	....	54.5
Carlisle	Maximum	98	94	90	88	90	91	88	85	90	88	78	85	83	90	86	78	85	80	80	85	82	81	82	86	91	92	88	80	94	79	....	86.2
	Minimum	62	64	67	62	64	67	67	63	56	62	54	62	51	66	56	62	65	62	56	60	67	65	50	53	55	60	64	63	58	56	....	60.6
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	97	92	86	84	90	91	84	86	89	82	79	82	86	90	85	84	76	82	80	87	79	80	82	87	89	90	83	85	84	79	....	85.0
	Minimum	64	68	65	55	65	68	70	60	55	61	54	51	52	66	63	60	63	65	65	57	69	59	51	53	56	61	65	65	56	57	....	60.6
Chambersville	Maximum	91	84	80	82	88	88	78	79	85	74	76	78	79	82	78	81	76	76	71	78	76	76	79	85	87	89	84	81	79	71	....	80.4
	Minimum	60	55	58	48	57	65	62	46	51	61	47	44	45	62	60	54	64	68	60	63	67	52	44	46	56	55	60	63	48	47	....	55.6
Claysville	Maximum	92	89	89	83	93	92	86	82	90	83	79	82	84	87	81	84	82	76	80	80	83	80	82	88	91	88	88	84	84	76	....	84.6
	Minimum	64	62	61	51	59	65	63	48	55	59	52	45	47	61	61	57	70	64	61	55	65	55	47	48	59	67	64	62	53	55	....	57.8
Clearfield	Maximum	94	89	85	88	91	86	84	82	85	75	82	82	78	82	82	78	75	82	82	84	80	77	83	85	91	89	78	85	82	85	....	83.4
	Minimum	67	69	55	65	55	60	65	45	65	63	47	45	43	60	58	55	62	67	60	67	65	58	43	45	48	48	54	63	47	43	....	56.2
Coatesville	Maximum	93	82	75	81	90	91	90	82	87	87	73	82	83	91	85	84	73	78	79	76	80	79	79	83	87	87	70	69	84	85	....	82.2
	Minimum	65	68	59	57	60	66	67	64	59	65	54	50	55	64	63	63	58	65	62	60	65	60	54	60	58	63	59	61	55	60	....	60.6
Corry	Maximum	86	80	73	82	87	83	86	78	81	71	74	80	73	68	79	85	80	75	80	77	76	78	75	75	81	90	80	83	76	71	....	78.8
	Minimum	67	64	55	61	65	54	49	47	56	40	45	42	55	56	55	48	60	60	61	58	53	42	51	60	65	69	57	62	58	46	....	55.4
Emporium	Maximum	92	84	81	81	87	86	81	80	84	75	79	78	77	77	80	83	75	75	79	81	76	76	79	83	88	89	82	81	75	70	....	80.5
	Minimum	56	56	55	46	50	64	58	45	50	50	46	45	44	60	57	52	59	63	59	56	60	52	44	47	51	51	55	63	50	46	....	53.0
Erie*	Maximum	78	70	70	72	82	79	73	76	70	61	70	73	76	73	72	84	74	67	71	78	76	73	72	78	85	81	76	76	72	66	....	74.1
	Minimum	61	57	61	56	63	69	62	60	59	52	52	54	58	60	60	60	63	60	58	62	64	60	55	56	65	68	65	65	62	58	....	60.2
Franklin‡	Maximum	88	81	75	79	86	85	76	76	81	63	74	76	76	78	77	80	76	69	78	75	70	73	78	82	88	88	77	80	75	69	....	77.6
	Minimum	50	56	57	49	49	58	59	47	49	59	48	45	45	50	56	54	53	62	60	54	57	56	48	47	49	54	58	61	57	48	....	53.2
Freeland	Maximum	89	85	75	73	82	84	84	78	82	74	73	75	77	78	77	75	69	75	68	73	72	71	75	80	82	80	72	64	75	74	....	76.4
	Minimum	68	62	56	53	57	62	63	59	58	55	50	53	55	62	66	62	54	62	56	56	63	54	51	55	58	61	55	56	56	56	....	57.8
Gettysburg	Maximum	95	93	89	83	09	91	88	84	87	83	77	82	83	91	88	84	78	82	80	79	77	81	81	85	88	89	86	81	82	77	....	84.4
	Minimum	66	67	65	58	65	71	71	65	62	62	55	53	54	68	64	61	63	65	63	61	68	59	55	55	57	63	64	64	59	60	....	62.1
Greeusburg	Maximum	89	85	80	80	88	85	81	80	85	73	75	77	83	84	77	82	79	77	76	81	78	77	77	84	89	86	84	81	79	73	....	80.8
	Minimum	65	68	62	57	62	67	65	53	55	61	52	50	50	62	62	58	68	65	62	54	66	57	51	51	56	65	64	64	56	56	....	59.3
Grove City	Maximum	85	82	81	82	85	85	76	75	81	81	75	75	85	73	74	78	78	77	78	81	72	77	76	86	88	88	87	77	78	77	....	79.4
	Minimum	65	53	50	49	52	66	59	50	55	54	48	45	53	65	56	58	60	60	62	57	55	42	60	47	48	55	61	61	55	49	....	55.0
Hamburg	Maximum	97	90	72	82	87	92	87	85	90	90	78	85	79	83	84	78	70	79	76	78	74	77	88	76	80	88	82	70	82	84	....	82.1
	Minimum	66	68	60	57	59	67	67	65	60	62	56	52	53	65	62	64	59	65	63	62	67	60	56	58	57	59	62	60	60	58	...	61.0
Harrisburg*	Maximum	94	89	76	82	87	89	83	83	87	81	76	80	79	88	82	82	73	81	74	78	75	79	80	83	87	89	70	76	80	75	....	81.3
	Minimum	69	68	63	59	65	70	71	69	63	61	56	56	57	63	65	63	62	66	66	62	66	64	59	60	60	63	63	62	59	59	....	63.0
Hawley	Maximum	92	83	74	75	84	84	80	79	85	77	76	79	79	77	80	80	74	77	75	77	73	75	78	84	86	82	73	66	80	77	....	78.7
	Minimum	52	57	56	50	47	59	57	50	52	62	52	42	43	58	58	47	44	62	59	58	61	52	43	50	47	50	54	58	55	48	....	52.8
Holtwood*	Maximum	92	91	73	82	90	89	82	85	86	84	77	81	82	90	81	83	75	85	79	79	81	79	80	82	88	88	73	72	81	81	....	82.4
	Minimum	67	70	64	63	68	72	72	66	64	64	59	60	63	68	66	66	66	68	66	65	68	64	61	63	64	67	85	65	62	62	.. .	65.3
Huntingdon	Maximum	95	89	82	85	90	90	88	84	89	78	80	81	81	88	83	84	75	84	75	85	77	80	82	86	91	91	86	85	82	69	....	83.8
	Minimum	58	57	60	51	57	63	60	51	49	60	57	45	44	64	60	63	65	62	58	55	67	54	46	47	50	54	61	66	49	47	....	56.0
Johnstown	Maximum	93	87	79	79	90	88	82	83	88	74	79	80	85	85	89	83	75	81	76	82	78	79	80	85	89	90	89	90	81	76	....	83.2
	Minimum	52	62	61	55	61	64	71	62	51	62	53	48	63	65	61	55	65	61	63	55	66	56	50	49	54	59	64	65	51	54	....	58.6
Lancaster	Maximum	97	94	92	84	91	94	93	84	86	86	78	83	82	91	90	86	78	85	83	84	80	82	84	87	89	90	84	70	84	84	....	85.8
	Minimum	60	62	62	53	61	65	64	65	55	62	55	50	51	66	60	56	60	64	60	61	66	57	49	54	56	58	60	61	56	57	....	58.9
Lawrenceville	Maximum	95	89	86	80	88	90	85	83	87	72	79	81	82	79	80	86	81	77	75	83	77	74	79	85	89	90	83	79	78	80	....	82.4
	Minimum	56	60	67	47	50	62	60	48	50	54	45	45	44	58	55	51	59	63	56	53	55	51	42	47	50	53	53	60	50	44	....	52.6
Lebanon‡	Maximum	97	92	72	82	90	92	85	84	89	82	75	82	82	89	83	84	72	84	76	77	77	79	80	84	89	90	71	72	83	81	....	82.5
	Minimum	65	65	62	53	63	62	65	65	62	63	56	52	53	68	61	59	60	61	62	61	64	58	53	56	57	61	64	61	60	58	....	60.3
Marcus Hook*	Maximum	91	83	84	90	96	93	89	91	92	88	92	87	93	92	85	80	88	85	82	84	85	84	87	91	88	81	75	88	87	81	....	87.1
	Minimum	74	61	61	69	73	72	69	65	70	55	76	65	68	68	67	63	69	67	63	68	63	61	64	65	71	64	63	59	67	60	....	66.0
Meadville	Maximum	88	80	80	78	87	86	76	79	81	72	73	77	76	78	78	85	84	86	81	77	75	76	77	85	90	89	86	81	80	71	....	80.4
	Minimum	65	54	60	48	57	66	57	52	58	53	44	54	50	62	61	54	62	63	58	56	65	56	49	49	57	61	62	60	58	50	....	56.7
Montrose	Maximum	88	80	78	72	80	82	79	76	80	69	74	74	75	74	75	80	73	78	69	76	73	68	73	78	88	82	79	70	72	70	....	76.0
	Minimum	63	58	56	49	50	63	60	56	54	53	48	50	50	58	57	49	53	61	54	59	53	52	48	52	57	57	56	59	55	50	....	54.7
Mount Pocono	Maximum	87	87	64	70	79	80	75	75	78	70	70	70	75	74	70	72	68	74	71	66	69	67	72	76	79	71	66	62	72	73	....	72.7
	Minimum	56	57	55	49	52	60	61	61	55	57	53	45	43	63	57	58	63	59	59	57	58	50	50	55	50	58	53	56	55	53	....	55.3
Philadelphia*	Maximum	90	84	75	81	87	91	89	77	84	85	72	81	81	87	85	79	73	83	83	73	79	81	83	84	86	79	71	66	84	82	....	81.2
	Minimum	67	63	60	64	67	73	73	66	64	65	55	60	63	66	67	64	62	67	62	61	65	63	61	64	67	64	63	62	60	62	....	64.0
Pittsburgh*	Maximum	91	85	74	82	90	85	77	78	86	71	75	77	82	83	77	80	79	74	74	80	74	75	78	84	88	86	80	80	78	68	....	79.7
	Minimum	68	63	65	59	63	66	63	60	58	56	52	54	54	61	62	61	68	64	61	58	65	57	55	58	60	68	68	63	61	54	....	60.8
Quakertown	Maximum	93	89	77	79	88	89	87	82	88	....	....	80	83	86	84	79	76	85	78	75	77	78	80	83	86	84	74	70	82	83	....	82.0b
	Minimum	61	63	58	52	54	61	64	62	54	56	52	50	48	61	60	57	64	62	60	59	59	56	42	42	54	55	57	59	55	57	....	56.5
Reading*	Maximum	93	88	72	80	88	90	86	82	86	82	74	79	81	87	82	80	71	83	78	75	76	76	80	84	87	84	71	68	81	82	....	80.9
	Minimum	71	66	61	59	63	72	70	67	65	62	56	54	60	67	65	64	61	66	63	62	65	61	60	62	63	64	62	61	61	58	....	63.0
Ridgway‡	Maximum	90	82	73	80	86	86	78	80	84	67	76	76	76	77	78	81	70	75	77	79	72	74	79	83	87	87	80	80	75	69	....	78.6
	Minimum	55	54	53	44	50	60	57	43	49	61	42	42	42	53	54	49	57	63	57	54	65	48	39	45	47	56	53	61	46	43	....	51.4
Scranton*	Maximum	93	88	74	76	84	86	80	81	86	75	77	78	79	81	80	82	74	82	70	79	74	74	77	83	86	86	80	67	77	76	....	79.5
	Minimum	62	64	56	56	54	67	65	64	58	58	56	51	51	64	60	54	58	66	60	63	60	57	52	58	57	59	63	60	60	55	....	58.9
Selinsgrove	Maximum	88	89	86	90	90	91	87	81	85	78	79	80	78	85	83	83	77	80	78	79	77	78	81	83	87	90	85	76	81	80	....	82.8
	Minimum	68	70	68	68	70	71	68	61	58	56	54	52	47	66	58	54	62	65	64	60	67	65	48	52	63	57	65	62	54	52	....	60.5
Somerset	Maximum	83	78	78	74	84	82	77	72	72	67	70	71	75	75	72	74	76	74	70	71	71	69	70	76	80	79	79	77	72	69	....	74.6
	Minimum	55	54	56	47	64	63	59	43	42	59	50	38	38	55	58	48	61	59	60	49	64	56	42	40	47	53	58	61	44	49	....	52.1
State College	Maximum	92	86	76	81	87	85	80	81	85	74	77	79	79	83	78	81	73	81	80	81	75	76	79	82	87	87	81	81	78	69	....	80.4
	Minimum	65	60	63	53	56	63	64	53	54	58	50	49	50	60	59	52	56	61	61	52	59	54	47	52	53	58	63	61	54	49	....	56.3
Stroudsburg‡	Maximum	96	84	79	84	86	87	85	78	85	87	83	79	82	81	80	79	76	81	79	78	75	77	79	82	79	80	81	67	88	79	....	81.0
	Minimum	55	49	53	49	48	50	51	62	53	56	53	45	48	68	63	54	48	52	61	60	63	58	49	51	54	60	58	56	61	54	....	54.7
Towanda	Maximum	93	85	74	77	83	88	78	80	84	71	77	79	79	80	78	83	72	81	68	82	75	73	77	82	86	86	81	75	77	72	....	79.2
	Minimum	57	60	57	51	50	63	62	55	49	49	48	46	45	61	58	51	57	64	57	61	57	54	45	52	50	53	56	57	56	49	....	64.3
Uniontown	Maximum	94	87	81	82	91	86	81	81	88	73	75	78	83	87	82	84	80	83	77	81	77	79	77	82	88	88	84	81	79	75	....	82.1
	Minimum	63	66	66	59	60	68	65	53	54	64	55	50	49	64	64	62	69	65	64	58	66	59	53	50	55	67	67	64	54	58	....	60.4
Vandergrift*	Maximum	94	85	75	83	90	89	81	85	89	70	77	78	85	91	84	86	83	86	72	81	78	80	80	88	87	90	79	84	81	73	...	82.6
	Minimum	64	56	60	53	61	68	60	50	55	57	52	49	48	65	61	58	68	65	60	55	62	57	52	52	55	64	63	59	64	52	....	57.9
Warren	Maximum	85	82	74	72	80	79	80	73	76	70	64	70	70	73	72	80	80	69	69	74	75	70	75	80	79	83	73	71	76	70	....	74.8
	Minimum	64	61	60	54	66	58	60	50	62	58	48	48	55	65	58	56	63	63	59	62	66	55	48	52	57	62	69	64	59	64	....	58.2
Waynesburg	Maximum	91	86	84	81	89	86	82	80	86	74	76	79	82	84	81	85	79	79	78	80	81	79	80	84	88	88	84	82	80	78	....	82.2
	Minimum	63	64	66	56	60	67	64	52	53	60	54	48	49	62	63	57	69	65	63	58	66	57	51	50	57	68	66	64	55	55	....	59.4
Wellsboro	Maximum	91	89	80	80	85	97	84	82	84	67	78	80	75	79	78	82	70	77	70	80	74	74	78	83	89	86	77	80	79	79	....	80.2
	Minimum	56	55	65	47	50	61	60	48	49	55	49	46	43	59	52	50	59	61	55	51	57	49	42	47	48	51	52	56	47	43	....	51.8
Williamsport	Maximum	93	90	86	80	85	88	83	81	87	82	77	80	80	81	80	84	80	79	74	80	76	77	80	84	87	89	84	78	76	73	....	81.8
	Minimum	60	62	63	55	55	63	67	58	53	63	53	50	49	64	62	52	62	64	62	58	65	56	61	52	53	57	65	62	55	50	....	58.0
Williamstown	Maximum	94	92	85	77	90	92	86	83	85	85	75	83	81	83	87	81	79	81	78	82	71	77	78	82	86	92	85	76	80	78	....	82.8
	Minimum	68	62	59	52	54	61	64	61	58	58	51	55	54	66	59	59	56	62	52	49	61	55	51	63	59	61	59	57	54	55	....	57.5
York	Maximum	95	93	88	84	90	90	89	82	86	82	77	82	84	91	89	84	76	83	78	79	77	79	81	84	90	89	86	76	81	80	....	84.2
	Minimum	62	62	64	54	62	67	64	64	62	63	57	50	53	74	61	57	63	65	60	63	67	57	50	53	56	60	64	63	58	58	....	60.4

* Midnight to midnight.

‡ Thermometers read in morning, maximum set back to preceding date.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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32 PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLII. JULY, 1937. No. 7.

GENERAL SUMMARY.

The temperature mean for the State was practically equal to the July normal, as determined by fifty years of records, while the extremes were a little less than usual. The rainfall average was only 0.19 inch above the July normal for the State, but with somewhat greater range in distribution than usual. The wettest region, in Fayette County, received almost nine times as much rain as the driest region, in Tioga County. Fully one-half of the rain occurred near the middle of the month, from the 12th to 18th, and there were only two moderate rains that came near being general after the 20th. As a result, moisture was needed in many places at the close of the month. In the leading agricultural counties of Lancaster and York, the rainfall was a little more than the normal, while the next best region, as represented by the counties of Chester, Berks, Montgomery, and Bucks, was generally too dry for best results. However, there was no region in which a really serious drought condition was reported. Wheat harvest, which began in the southern portion of the State near the first of the month, appeared to lag more than usual, and near the end of the second week there were numerous reports of overripe grain that was crinkling badly. Both wheat and rye were threshed from the shock during the last half of the month, and good yields were reported in nearly all parts of the State. Oats harvest began in the southern counties during the third week, and continued in the northern counties to the close of the month. The crop as a whole was fair, probably a little below the ten-year average. Corn made a good growth and development, excepting a few small regions where the rainfall was lightest. The bulk of the crop began tasseling about the middle of the month, and ears began to appear during the last week. At the close of the month the corn was generally reported to be a little better than the ten-year average. Small varieties of sweet corn appeared on the market near the end of the month. The potato crop was more promising than usual. Moisture was ample in most regions, and there were no reports of damage by potato beetles. Truck crops were fair to good. Tomatoes were especially good, and the acreage was large, and a bumper crop equal to that of the previous year was in prospect. Apples dropped from the trees more than usual, but started with a fairly heavy setting, and the outlook seemed to be for about an average crop. Peaches were the best for several years, and pears were near the average. Local storms during the month were no more severe than usual. There was some local damage by thunderstorm winds, and by washing of fields, and a few moderate hailstorms were reported. Two persons were killed by lightning near Pittsburgh, and about the usual number of barns were fired by lightning throughout the State.

TEMPERATURE.

The mean temperature for the State, as shown by reports from 91 stations, was 72.4°, which is 0.2° above the July normal over a 50-year period. The highest monthly mean was 80.2° at Marcus Hook, and the lowest was 65.6° at Somerset. The highest temperature for the month was 101°, at Marcus Hook on the 8th and at Corry on the 9th. The lowest recorded during the month was 37°, at Somerset on the 28th. The greatest daily range in temperature was 44° at Hyndman on the 28th.

PRECIPITATION.

The average precipitation for the State, as deduced from reports rendered by 147 stations, was 4.47 inches, which is 0.19 inch above the 50-year July normal for Pennsylvania. The greatest monthly total was 8.69 inches at Uniontown and the least was 0.97 inch at Ansonia. The greatest amount recorded in any 24 consecutive hours was 4.38 inches at Lancaster on the 5-6th.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.2	97	38	3.45	....	8	15	10	6
1889	71.6	96	39	6.80	....	13	12	10	9
1890	70.7	101	33	3.52	....	8	13	11	7
1891	67.8	97	34	6.32	....	13	11	10	10
1892	73.1	103	38	3.93	....	10	15	11	5
1893	72.1	102	36	3.15	....	10	15	12	4
1894	73.8	103	31	2.32	....	7	15	11	5
1895	69.1	102	34	3.24	....	9	12	12	7
1896	72.8	98	40	6.89	....	14	10	11	10
1897	73.4	103	41	6.26	....	14	10	11	10
1898	74.8	107	33	3.36	....	9	12	12	7
1899	72.3	101	35	3.91	....	10	12	11	8
1900	74.0	104	35	4.86	....	11	14	12	5
1901	76.4	107	45	3.88	....	11	10	13	8
1902	71.8	99	41	6.04	....	15	10	12	9
1903	71.2	98	35	5.36	....	12	13	12	6
1904	70.6	99	34	4.68	....	13	12	11	8
1905	72.6	99	39	4.87	....	15	10	12	9
1906	71.8	95	38	4.31	....	10	12	13	6
1907	71.5	96	34	3.84	....	10	15	12	4
1908	73.9	104	39	4.81	....	11	14	12	5
1909	69.7	98	34	2.14	....	7	16	11	4
1910	72.8	99	41	2.42	....	7	16	11	4
1911	73.7	105	36	2.81	....	8	16	11	4
1912	71.3	100	36	5.29	....	11	12	11	8
1913	71.8	101	40	4.16	....	11	15	10	6
1914	71.3	101	38	4.19	....	12	12	11	8
1915	70.7	98	40	5.28	....	15	10	13	8
1916	74.3	98	37	4.45	....	10	14	10	7
1917	72.1	105	40	4.33	....	13	12	12	7
1918	70.1	99	35	3.05	....	9	16	10	5
1919	72.6	104	34	5.90	....	11	16	8	7
1920	69.5	96	33	4.37	....	11	15	10	6
1921	75.9	104	45	4.13	....	10	15	11	5
1922	71.9	98	38	3.68	....	9	14	10	7
1923	71.0	100	32	4.24	....	11	15	9	7
1924	69.7	97	34	3.42	....	9	17	10	4
1925	70.5	101	32	5.57	....	12	13	11	7
1926	71.8	105	35	3.82	....	10	15	9	7
1927	71.7	100	29	4.97	....	12	14	11	6
1928	72.8	96	40	5.44	....	13	16	9	6
1929	71.8	99	33	2.81	....	8	18	9	4
1930	73.0	106	33	2.23	....	7	19	8	4
1931	75.2	105	39	5.28	....	12	15	10	6
1932	72.0	100	36	3.39	....	10	16	10	5
1933	72.5	104	35	4.26	....	8	17	9	5
1934	75.5	107	40	4.01	....	9	17	10	4
1935	75.0	104	42	5.63	....	12	15	10	6
1936	73.5	111	37	2.88	....	8	18	9	4
1937	72.4	101	37	4.47	....	12	14	10	7
Period	72.2	111	29	4.28	....	11	14	11	6

Climatological Data for July, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	74.8	+0.9	97	8†	55	4†	30	5.46	+0.85	1.91	0	12	20	10	1	sw.	John A. Frick.
Altoona	Blair	1,615	50	70.6	−0.4	92	8†	45	2	33	3.67	−0.33	1.05	0	9	16	7	8	w.	John J. Martin.
Ardmore	Montgomery	350	17	73.6	−0.9	95	10	52	2	28	3.72	−0.69	1.45	0	9	7	15	9	......	H. L. Balderston.
Arendtsville	Adams	700	15	75.6	+1.2	95	9	52	2	30	5.99	+1.92	1.80	0	17	18	7	6	w.	Harold J. Miller.
Bedford	Bedford	1,060	5	72.4	......	94	8†	44	28	40	2.29	......	0.88.	0	8	14	6	11	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	76.4	+1.3	99	10†	53	2	31	5.73	+1.17	1.60	0	14	19	2	10	w.	Lehigh University.
Carlisle	Cumberland	467	71	75.0	−0.1	99	10	50	2†	36	4.21	+0.38	1.22	0	13	23	4	4	sw.	Prof. C. E. Miller.
Catawissa	Columbia	520	41	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. L. Gearhart.
Center Hall	Center	1,272	41	68.7	−1.3	92	7	45	2	36	6.83	+2.66	1.72	0	9	16	9	6	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	74.9	+0.2	97	8	51	2†	32	5.97	+1.97	3.89	0	10	10	19	2	sw.	William B. Spear.
Clearfield	Clearfield	1,120	30	71.4	−0.2	95	7†	43	1	42	4.81	+0.25	1.93	0	11	10	12	9	nw.	E. W. Hess.
Coatesville	Chester	380	50	75.0	+0.3	96	8†	50	2	33	2.62	−1.94	0.68	0	8	13	5	13	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	70.4	−1.9	90	9	47	2	30	4.50	+0.22	1.30	0	14	21	5	5	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	70.6	+0.9	94	8	45	28	38	3.59	−0.82	1.15	0	16	14	7	10	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	77.1	+2.3	10[illegible]	10	51	2	35	4.96	+0.58	2.05	0	12	15	8	8	s.	Ira J. Keath
Freeland	Luzerne	1,970	44	70.0	−1.1	91	9	48	2	28	3.68	−1.23	0.82	0	12	4	4	23	nw.	Andrew B. Evansha
George School	Bucks	190	31	75.4	+1.2	97	9†	51	2	32	2.95	−1.48	0.55	0	9	19	8	4	w.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	75.2	+0.7	96	10	53	2	29	4.58	+0.22	1.57	0	11	19	7	5	ne.	Dr Henry Stewart
Gordon	Schuylkill	840	33	71.0	+0.6	96	8†	43	2	38	3.64	−1.22	0.88	0	12	17	10	4	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Ronald H. Marshall.
Hamburg	Berks	535	44	73.6	+0.1	98	11	48	2	33	3.37	−1.53	1.34	0	12	15	12	4	w.	State Sanatorium.
Hanover	York	600	33	75.1	−0.7	94	8†	53	1	27	4.13	−0.06	1.09	0	13	19	4	8	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	74.8	0.0	96	8	55	2	25	4.83	+1.00	1.39	0	11	8	18	5	w.	U. S. Weather Bureau.
Hawley	Wayne	900	19	69.4	−1.0	94	8†	43	2	38	4.83	+2.05	1.65	0	8	21	9	1	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	76.2	−0.9	93	11†	59	4	23	4.90	+1.13	2.02	0	16	19	7	5	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	72.8	+0.4	97	8†	44	2†	41	2.48	−1.58	0.91	0	9	14	13	4	e.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	73.2	0.0	98	8	43	28	44	3.43	+0.36	0.94	0	10	16	10	5	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	6	68.9	......	91	7	43	2	34	4.06	......	1.01	0	15	6	11	14	sw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	75.2	+1.2	97	8†	49	2	34	8.32	+4.04	4.38	0	12	16	11	4	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	40	71.4	+1.0	96	8	43	2	41	2.36	−1.74	0.67	0	6	10	17	4	......	C. P. Darling.
Lebanon	Lebanon	469	53	74.2	+0.1	98	9†	50	2	34	5.58	+1.21	1.35	0	10	19	7	5	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	74.0	+0.3	98	8	48	2	36	3.03	−0.97	0.67	0	12	7	23	1	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	80.2	+1.3	101	8	58	1	30	1.52	−2.99	0.55	0	6	25	3	3	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	75.2	+1.8	99	8	48	2	40	6.48	+2.14	1.96	0	12	18	10	3	sw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	66.9	−1.2	88	8†	44	2	30	3.31	−1.16	1.60	0	5	10	9	12	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	68.8	−1.0	95	8	42	2	38	5.10	+0.42	2.89	0	14	22	5	4	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	74.2	+0.2	97	9†	50	2	32	1.92	−2.76	0.52	0	7	22	1	8	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	72.4	+0.9	96	8†	49	2	32	3.90	−0.58	1.20	0	13	22	6	3	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	77.1	+1.8	98	10	59	1	26	1.16	−2.99	0.27	0	11	6	16	9	sw.	U. S. Weather Bureau.
Phoenixville	Chester	100	27	75.8	+0.2	98	9	48	2	33	3.17	−1.79	0.96	0	8	23	7	1	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	73.0^{c}	+0.4	96^{c}	10	45^{c}	2	34^{c}	4.25	−0.43	1.05	0	12	18	6	7	w.	John E. Benner.
Reading	Berks	273	67	74.8	−0.7	96	9	55	2	24	4.10	−0.16	1.22	0	15	7	20	4	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	71.0	......	93	8†	48	2†	37	3.35	......	1.70	0	13	11	16	4	sw.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	73.0	+1.3	94	10	49	2	35	2.67	−1.56	0.98	0	11	6	17	8	n.	U. S Weather Bureau.
Selinsgrove	Snyder	455	47	73.0	−0.4	95	8†	47	2	33	4.05	+0.01	1.35	0	10	12	13	6	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	77.3	+0.7	98	11	52	2	30	2.40	−1.89	1.04	0	11	12	13	6	s.	W. S. Guiles.
Shippensburg	Cumberland	660	4	73.8	......	95	10	51	2†	30	5.02	......	1.91	0	7	10	17	4	sw.	State Teachers College
State College	Center	1,217	53	71.0	+0.2	94	9	46	2	33	5.32	+1.46	1.02	0	14	12	14	5	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	72.2	+0.4	97	8†	47	2	39	2.44	−2.87	0.60	0	9	26	3	2	w.	State Normal School.
Towanda	Bradford	754	43	71.1	+0.6	95	8†	47	2	37	2.71	−1.09	0.83	0	11	12	12	7	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	69.2	+0.4	96	8	41	2	43	2.08	−1.12	0.98	0	7	25	3	3	sw.	George W. Hill.
West Chester	Chester	455	88	75.7	+1.3	98	10	51	2	31	3.72	−0.92	0.90	0	9	17	11	3	w	Harlan Saylor.
Williamsport	Lycoming	521	51	72.6	−0.8	95	8†	48	2	37	3.77	−0.07	1.08	0	13	9	10	12	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	73.6	+1.1	97	11	50	2	33	4.74	−0.68	1.62	0	9	17	9	5	sw.	Susquehanna Collieries Co.
York	York	400	49	73.9	−0.6	95	16	51	1†	31	4.99	+0.77	1.62	0	12	20	8	3	sw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	68.5	+0.3	92	9	38	28	43	4.01	−0.15	1.06	0	10	10	10	11	......	Frank S. Fawcett.
Butler	Butler	1,077	24	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	William C. Faust.
Chambersville	Indiana	1,047	36	70.8	−0.8	93	10	40	28	38	6.57	+1.88	2.07	0	16	13	5	13	sw.	John E. Lewis.
Clairton	Allegheny	1,020	5	70.0	......	90	8†	46	1†	32	4.40	......	0.92	0	9	9	9	13	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	32	72.4	−1.0	93	7†	42	1	42	7.55	+3.30	1.60	0	13	22	5	4	s.	J. L. Melvin.
Corry	Erie	1,430	24	71.6	+2.7	101	9	43	2	43	2.22	−1.18	0.95	0	13	20	5	6	w.	Ass'd Gas & Electric Co.
Derry	Westmoreland	1,172	40	72.0	−0.6	92	8†	47	28	37	6.85	+2.38	1.32	0	14	16	10	5	w.	Ted R. Wineman.
Donora	Washington	762	11	74.4	−1.7	95	8	49	1	30	6.10	+2.66	1.61	0	11	11	15	5	sw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	20	69.7^{b}	+1.2	90^{b}	7†	44	2	36^{b}	4.15	−0.01	0.86	0	10	18	12	1	w.	D. H. Jones.
Franklin	Venango	957	63	69.7	−1.1	93	8†	44	28	35	5.57	+1.30	0.94	0	13	4	8	19	......	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	72.0	−0.6	92	8	49	1†	37	7.14	+3.37	1.42	0	14	10	16	5	w.	Westmoreland Water Co
Greenville	Mercer	950	41	72.4	+1.1	95	8†	44	2†	40	5.64	+1.32	1.75	0	16	10	15	6	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	70.0	−0.5	94	7	47	1†	29	3.57	−0.99	0.75	0	16	12	11	8	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	72.0	−0.3	91	8†	45	2	36	7.51	+3.77	1.10	0	18	14	15	2	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	72.6	−0.7	93	8	47	2	40	6.01	+1.72	1.98	0	13	13	13	5	w.	Robert Tross.
Kane (near)‡‡	Elk	2,020	5	68.3	......	90	8	41	2	36	4.74	......	1.35	0	14	13	13	5	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	45	72.0	−0.6	89	8†	48	1	32	8.54	+3.88	3.54	0	13	9	18	4	sw.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	72.4	+2.7	94	8†	48	2	32	4.89	+0.92	1.32	0	16	11	8	12	sw.	Ass'd Gas & Electric Co.
Midland	Beaver	691	....	72.9	......	94	8†	49	1	33	5.59	......	1.67	0	14	16	9	6	n.	Perry P. Campbell
New Castle	Lawrence	808	57	71.6	−0.9	93	9†	45	2	31	6.82	+3.16	2.91	0	21	12	16	3	sw.	New Castle Water Co
Newell	Fayette	800	17	70.0	−3.8	89	8	47	1	30	6.16	+2.66	1.30	0	9	11	9	11	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	72.9	−1.7	94	8	50	1	28	5.63	+1.58	1.47	0	14	7	12	12	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	68.8	+1.0	93	8†	38	28	41	4.74	+0.99	2.60	0	13	10	8	13	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	67.6	−0.1	87	10	43	2	30	4.05	−0.67	0.92	0	17	7	18	6	w.	J. D. Beachy.
Sharon‡‡	Mercer	940	24	75.0	+2.0	97	8	48	2	33	5.52	+1.55	1.25	0	9	18	11	2	s.	Harry H. Gerber.
Somerset	Somerset	2,190	70	65.6	−3.1	87	8	37	28	37	5.64	+0.75	1.27	0	17	4	17	10	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	72.8	−0.6	93	10	48	28	34	8.69	+4.37	2.55	0	14	13	16	2	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	73.1	−0.5	99	10	46	1	34	5.36	+0.99	2.16	0	14	27	4	1	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	48	70.8	+1.0	90	9	50	2	25	4.84	+0.44	1.10	0	16	11	11	9	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	72.4	......	92	7†	46	28	37	4.67	......	1.11	0	12	4	25	2	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	73.1	+2.2	91	8	56	2	24	1.60	−1.41	0.73	0	11	10	17	4	nw.	U. S. Weather Bureau.
For the State		......	50	72.4	+0.2	101	8†	37	28	44	4.47	+0.19	4.38	0	12	14	10	7	sw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-8-13-37-1050.

Daily Precipitation for July, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.60	....	.06	....	....	.06	....	....	....	....	....	.22	....	....	1.24	.94	.12	.02	T.	....	....	....	....	.13	.03	....	1.91	....	....	....	.13	5.46
Altoona	Juniata	....	T.	.24	....	....	....	....	....	....	.26	.17	T.	.18	.49	1.05	.41	.27	T.	....	....	....	....	....	....	....	.60	....	....	....	....	....	3.67
Ansonia‖‖	W. Br. Susq	.01	....	.10	....	....	....	....	....	....	....	.06	....	T.	....	.04	.15	....	....	.10	....	....	....	....	....	.20	.29	....	....	....	....	.02	0.97
Ardmore	Lower Del	....	....	....	....	.51	.45	....	....	....	....	.42	....	....	.45	....	.22	....	....	....	.03	.02	....	....	....	....	1.45	....	....	....	....	.17	3.72
Arendtsville	Lower Susq	....	.02	....	....	.05	.02	....	....	.01	T.	.02	....	.18	1.80	.03	.14	.74	....	.91	.03	....	....	.97	.83	....	.54	....	....	....	.18	.02	5.99
Baker's Summit	Juniata	....	....	.18	....	.02	....	....	....	....	....	.35	.17	.67	.29	3.92	....	.63	....	....	.12	....	....	....	....	....	.08	....	....	....	....	....	6.43
Bedford	Juniata	....	....	.34	....	T.	....	....	....	....	T.	.60	.07	.05	.05	.88	....	T.	.27	....	.03	....	....	....	....	....	T.	....	....	....	....	T.	2.29
Bellefonte	W. Br. Susq	T.	.43	.01	....	....	....	....	....	.13	.04	.18	T.	....	.34	.43	.68	.05	T.	....	....	....	....	....	T.	....	T.	....	....	....	....	....	2.29
Bethlehem	Lehigh	1.15	....	.05	....	.02	.05	....	....	....	....	.11	.05	....	.06	1.10	1.09	.09	....	....	....	....	....	T.	....	.01	1.59	.01	....	....	....	.35	5.73
Big Knob	Middle Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bloserville‡‡	Lower Susq	....	....	....	.05	....	....	.20	....	....	.05	....	.20	....	1.50	.32	.55	.30	....	....	....	....	....	.10	.20	T.	....	....	....	....	1.65	.28	5.40
Buffalo Mills‖‖	Juniata	.25	....	.64	....	....	....	....	....	....	....	....	.91	....	.41	.18	..	....	.12	....	....	....	....	....	....	....	.24	....	....	....	....	....	2.75
Carlisle	Lower Susq	....	T.	.04	..	.52	.08	....	....	....	.07	T.	T.	.12	.78	.38	T.	.42	.08	....	T.	T.	.01	T.	T.	.38	.11	....	....	....	T.	1.22	4.21
Catawissa	N. Br. Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Center Hall	Susquehanna	....	.17	.84	....	....	....	....	....	1.40	.30	.75	....	....	.21	1.38	T.	1.72	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	6.83
Chambersburg	Potomac	....	....	.08	....	.07	.02	....	....	....	.02	T.	.10	..	3.89	1.00	....	.48	.23	....	T.	....	....	....	....	.08	....	....	....	....	....	T.	5.97
Clearfield	W. Br. Susq	T.	.33	....	T.	....	....	....	....	T.	.05	1.93	T.	....	.30	.64	.45	.30	T.	T.	....	....	.05	.15	T.	.09	.52	....	....	....	....	T.	4.81
Coatesville	Lower Del	.11	....	....	....	.52	.32	....	....	....	....	....	....	....	.05	.32	....	....	....	....	.02	....	....	....	....	....	.60	....	....	....	....	.68	2.62
Colebrook	Lower Susq	.15	....	.15	....	.95	.35	....	....	.14	....	.09	....	.09	.27	.74	....	.07	.05	....	T.	....	....	T.	.12	....	.25	....	....	....	....	1.08	4.50
Conshohocken	Schuylkill	.15	....	....	....	....	.89	....	....	....	....	....	.07	....	.03	.23	....	.08	.24	....	....	....	....	....	....	....	.23	.05	....	....	....	.11	2.08
Doylestown	Lower Del	.49	....	.01	....	.02	.29	....	....	....	....	....	.73	....	T.	.67	.09	.02	....	....	....	....	....	1.16	....	....	.54	.05	....	....	....	.16	4.23
Emporium	W. Br. Susq	.05	.01	.07	....	....	....	....	....	....	.10	.67	.34	....	.10	.51	1.15	.01	.11	....	.15	....	....	....	.04	....	.28	.03	....	....	.07	....	3.59
Ephrata	Lower Susq	.21	....	.03	....	.53	1.52	....	....	....	....	....	....	....	.12	.61	....	....	.07	....	.05	....	....	.36	....	.07	1.15	....	....	....	....	.24	4.96
Forest City	N. Br. Susq	.56	....	.12	....	....	....	....	....	....	....	....	.07	....	....	.87	.38	.16	.31	....	....	.08	....	....	....	....	T.	.55	....	....	....	.62	3.72
Freeland‖‖	Lehigh	.43	..	.35	T.	....	.01	....	....	....	....	.01	.48	....	....	.82	.49	.52	.03	.01	T.	....	....	....	....	.05	....	T.	....	....	....	.48	3.68
Galeton	N. Br. Susq	.01	T.	.20	....	....	....	....	....	....	.04	.03	....	....	.06	....	....	.15	.01	....	....	....	....	....	.43	.05	.37	....	....	....	.17	.13	1.65
George School	Lower Del	.39	....	....	....	T.	.30	....	....	....	....	....	.67	.03	T.	.38	.50	....	T.	....	.10	....	....	T.	....	....	.55	T.	....	....	....	.03	2.95
Gettysburg	Potomac	.01	....	.02	....	.17	.57	....	....	....	T.	....	T.	....	.50	1.57	....	T.	.71	....	.40	....	....	....	T.	.21	.09	....	....	....	....	.33	4.58
Girardville‖‖	Lower Susq	.04	.19	....	....	.04	....	....	....	....	....	.23	....	....	.96	.85	.35	.15	....	....	....	....	....	....	.07	....	.02	....	....	....	.43	....	3.33
Gordon	Lower Susq	.28	....	.22	....	.12	....	....	....	....	....	.24	....	....	.18	.88	.18	.30	....	....	....	....	....	.05	....	.42	.02	....	....	....	....	.75	3.64
Gouldsboro‖	Lehigh	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Graterford	Schuylkill	....	....	....	....	.12	.56	....	....	....	....	T.	....	....	.03	.17	....	....	....	....	.22	....	....	....	....	....	.87	1.26	....	....	....	....	3.23
Hamburg	Schuylkill	.32	....	.12	....	.06	T.	....	....	....	....	....	....	....	.02	.26	.02	.03	.05	....	....	....	....	1.34	.	.23	.56	....	....	....	....	.36	3.37
Hanover	Lower Susq	.03	....	.07	....	.37	.50	....	....	T.	T.	.21	.03	T.	.05	.88	....	T.	1.09	....	.13	....	....	....	....	.02	.44	....	....	....	....	.31	4.13
Harrisburg***	Lower Susq	....	.01	....	....	.53	.06	....	....	T.	T.	T.	T.	....	.90	.49	.90	T	.02	....	T.	....	....	....	.20	....	.87	....	....	....	.35	.50	4.83
Hawley‖‖	Upper Del	.96	....	.43	....	....	....	....	....	....	....	....	1.00	....	....	.31	1.65	.29	.01	....	....	....	....	....	....	....	....	....	....	....	....	.18	4.83
Hollisterville	Upper Del	.70	.04	.31	....	....	T.	....	....	....	....	....	....	.81	....	....	.40	1.90	.02	T.	.02	....	....	....	....	....	....	.03	....	....	....	.20	4.43
Holtwood‖	Lower Susq	.40	....	.01	....	.04	2.02	.03	....	....	....	....	.46	.23	.02	.03	.18	.09	.42	..	.04	T.	....	.23	....	....	....	.52	....	....	....	.18	4.90
Huntingdon	Juniata	....	T.	.18	....	....	....	....	....	....	....	.08	....	.03	.89	.91	.33	.01	....	....	.03	....	....	....	....	....	T.	....	....	....	....	.02	2.48
Hyndman	Potomac	.08	....	.32	.10	....	....	....	....	....	.40	....	.60	.94	.18	....	....	....	....	....	.52	....	.18	....	....	....	....	....	....	....	....	.11	3.43
Kylertown	W. B. Susq	.08	.25	.02	....	....	....	....	....	.02	.20	.49	.07	T.	.31	1.01	.39	.21	....	....	....	.22	T.	T.	.02	.01	.76	....	....	....	....	....	4.06
Lakeville‖‖	Upper Del	.79	.49	.45	....	....	....	....	....	....	....	....	2.75	..	....	.45	1.70	.02	....	....	....	....	....	.55	.03	....	....	....	....	....	.18	....	7.41
Lancaster	Lower Susq	.36	....	.02	....	1.00	3.38	....	....	....	.04	....	....	.02	.13	.20	....	T.	.05	....	....	....	....	.84	....	....	1.10	....	....	....	....	1.18	8.32
Lansford‖‖	Lehigh	.32	....	.30	T.	..	.08	....	....	....	....	.21	.75	....	....	1.10	.45	.49	.02	....	....	....	....	....	T	.01	....	T.	....	....	....	.84	4.57
Lawrenceville	N. Br. Susq	....	....	.30	..	....	....	....	....	.62	....	....	....	....	T.	.25	.67	....	....	....	....	....	....	....	.40	....	.12	....	....	....	....	....	2.36
Lebanon	Lower Susq	....	.07	....	....	1.35	....	....	....	T.	....	....	....	....	1.10	T	.61	.03	....	....	....	....	....	.08	.35	....	.53	....	....	....	.56	.90	5.58
Lehighton‖‖	Lehigh	.47	.31	.25	....	....	....	....	....	....	....	....	.22	....	..	1.30	.62	.80	....	....	....	....	....	.10	....	....	....	....	....	....	....	.58	4.65
Lock Haven	W. Br. Susq	T.	....	.28	....	....	....	....	....	....	.02	.02	.03	....	.14	.07	.45	....	.06	....	....	....	....	....	.09	....	.33	....	....	....	.31	.63	3.03
Marcus Hook	Lower Del	....	....	....	....	....	.24	....	....	....	....	....	.55	T.	....	.11	T.	....	....	....	.08	....	....	....	....	....	....	.41	....	....	....	.13	1.52
Matamoras‖‖	Upper Del	1.06	....	.63	....	....	....	....	....	....	....	....	.14	....	....	.15	1.62	....	....	....	....	....	....	....	....	....	....	.06	....	....	....	.43	4.09
Mifflintown	Juniata	....	.25	....	....	.09	....	....	....	.84	.26	....	....	....	.78	.67	.46	.30	.16	....	....	....	....	....	....	.23	....	....	....	....	1.96	.48	6.48
Montrose	N. Br. Susq	.86	.01	.12	....	....	....	....	....	....	....	....	.15	....	.19	.21	.24	.62	.33	....	....	....	....	....	....	....	....	....	....	....	.22	.04	2.99
Morris Run	N. Br. Susq	.02	....	.10	....	....	....	....	....	....	.25	.13	....	....	.06	.25	.30	.15	.15	....	....	....	....	....	.04	....	.85	....	....	....	....	.11	2.41
Mount Pocono	Upper Del	.20	....	.66	....	T.	....	....	....	....	....	....	....	....	....	1.60	....	.15	....	....	....	....	.70	....	....	....	....	....	....	....	....	....	3.31
Muncy Valley	W. Br. Susq	.04	.02	.17	....	....	....	....	....	....	T.	.03	.04	....	.25	.66	2.89	.07	T.	....	.02	....	....	....	.12	....	.04	....	....	....	.71	.04	5.10
Neshaminy Falls‖‖	Lower Del	.04	....	T.	....	.15	.18	....	....	....	....	.52	....	....	T	.23	.36	....	T.	....	T.	....	....	T.	....	....	.44	....	....	....	....	T.	1.92
New Park	Lower Susq	....	....	....	....	3.00	.31	....	....	....	....	....	....	....	.22	.33	....	.05	.28	....	.15	....	....	.06	....	....	.40	....	....	....	.83	....	5.63
Newport‖‖	Juniata	.08	....	.15	....	....	.12	....	....	....	....	....	....	.05	....	1.45	....	.32	....	....	.03	....	....	....	.47	.16	....	....	....	....	....	1.40	4.23
Palmerton‡	Lehigh	.29	.13	....	....	.04	.01	....	....	....	....	1.14	.06	....	.50	.77	.51	T	....	....	T.	....	....	T.	.03	....	.12	....	....	....	.29	.01	3.90
Paupack‖‖	Upper Del	1.10	....	.37	.03	....	....	....	....	....	....	....	.75	....	....	.50	1.50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.22	4.47
Philadelphia***	Lower Del	.02	....	T.	....	.03	.14	....	....	....	....	.06	T.	....	04	.22	.07	.22	.02	....	T.	....	....	....	....	....	.27	....	....	....	....	.07	1.16
Phila. Navy Yard ‡	Lower Del	.06	....	T.	....	.13	.14	....	....	....	....	.47	T.	....	.09	.05	....	....	.02	....	.04	....	....	....	T.	....	.19	.01	....	....	....	.07	1.27
Phila-P'nt Breeze ‡	Lower Del	....	....	....	....	.40	.10	....	....	....	....	.01	....	....	.01	.12	..	....	.29	....	.02	....	....	....	....	....	.28	....	....	....	....	.11	1.34
Phoenixville	Schuylkill	.80	..	T.	....	.07	.89	....	....	....	....	....	.02	....	.03	.46	....	T.	T.	....	T.	....	....	....	....	....	....	.80	....	....	....	.10	3.17
Pine Grove	Lower Susq	.05	.20	....	....	.36	.05	....	....	....	....	....	....	....	.90	.38	.05	.09	....	....	....	....	....	.08	.80	....	.32	....	....	....	1.18	.50	4.96
Pleasant Mt.‖‖	Upper Del	.66	.06	....	....	....	....	....	....	....	....	.17	..	....	....	1.18	.38	.29	....	....	....	....	....	....	....	....	....	....	....	....	.98	....	3.72
Pottstown	Schuylkill	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pottsville	Schuylkill	.88	....	.22	....	T.	.33	....	....	....	....	....	.21	....	.25	1.05	.86	.08	.06	....	....	....	....	1.80	....	.06	.22	....	....	....	....	1.52	7.54
Quakertown	Lower Del	.42	....	....	....	.13	.12	....	....	....	....	.11	.71	....	.03	.86	.05	.32	....	....	....	....	....	.02	....	....	1.05	....	....	....	....	.43	4.25
Reading***	Schuylkill	.04	.22	....	....	.97	.02	....	....	....	....	....	....	....	.16	.62	.06	.01	.03	....	T.	....	.16	.26	.25	....	1.22	....	....	....	.07	.01	4.10
Renovo‖‖	W. Br. Susq	.04	.12	.22	....	....	....	....	....	....	.03	.11	.12	....	....	.18	1.13	....	.22	....	....	....	T.	....	....	.30	.68	....	....	....	....	.20	3.35
Retreat	N. Br. Susq	.13	.11	.10	....	....	....	....	....	T.	....	.09	....	....	.16	.39	.06	....	.05	....	....	....	1.70	.02	.03	....	.02	....	....	....	.49	....	3.35
cranton***	N. Br. Susq	.31	.18	.12	....	T.	T.	....	....	T.	....	.16	.53	....	.10	.97	.02	.04	.05	....	....	....	....	T.	T.	....	T.	....	....	....	.19	T.	2.67
elinsgrove	Lower Susq	.05	.27	....	....	....	....	....	....	....	.08	....	....	....	.88	.47	....	.38	.03	....	....	....	....	....	.24	.48	....	....	....	....	....	1.17	4.05
hawmont	Schuylkill	.16	....	.02	....	T.	.73	....	....	....	....	....	.09	....	.02	.17	....	.02	.03	....	.01	....	....	....	....	....	....	1.04	....	....	....	.11	2.40
hippensburg	Lower Susq	....	....	.21	....	T.	.11	....	....	....	T	T.	....	....	1.91	1.24	....	02	1.48	....	T.	....	....	....	....	T.	....	....	....	....	....	.05	5.02
tate College	W. Br. Susq	T.	.44	.15	T.	....	....	....	....	.31	.56	.53	....	.11	.46	.72	1.02	.29	.02	....	....	....	....	....	.39	.02	.30	....	....	....	T.	T.	5.32
troudsburg‖‖	Upper Del	.24	....	.15	....	....	....	....	....	....	....	.11	.10	....	T.	.60	.19	....	....	....	....	....	....	.40	....	....	.45	....	....	....	.20	....	2.44
unbury‖‖	Lower Susq	.08	....	.45	....	....	T.	....	T.	....	....	T.	....	T.	....	1.07	.21	T	.06	T.	....	T	....	....	....	.25	.61	T.	....	....	....	.92	3.49
usquehanna‖‖	N. Br. Susq	.78	T.	.17	....	....	....	....	....	....	....	....	.20	....	....	.25	.10	.02	....	....	....	....	....	....	....	....	.11	.24	....	....	....	.28	2.15
Towanda	N. Br. Susq	.20	T.	.26	....	....	....	....	....	T.	....	.23	.02	....	.34	.83	.13	.23	T	....	....	....	....	....	.02	....	.38	T.	....	....	.07	T	2.71
Weikert	Lower Susq	.24	....	....	....	....	....	....	....	.08	.05	....	.57	....	.70	.86	.22	.10	.10	....	....	....	....	....	.35	.10	.10	....	....	....	.08	.15	3.70
Wellsboro	N. Br. Susq	....	T.	.04	....	....	....	....	....	....	.98	....	....	....	T.	60	.03	....	.11	....	....	....	....	....	.10	....	.22	....	....	....	T.	T.	2.08
West Chester	Lower Del	..	....	.02	....	.50	.61	....	....	....	....	....	..	....	.01	.27	....	....	.90	....	....	....	....	.77	....	....	.59	....	....	....	....	.05	3.72
Westgrove‖‖	Lower Del	.95	....	....	....	....	2.40	....	....	....	....	....	.02	....	....	.18	.15	....	.17	....	.02	.06	....	....	.96	....	....	.94	....	....	....	1.56	7.41
Wilkes-Barre‖‖	N. Br. Susq	.50	T.	.13	....	....	....	....	....	....	....	T.	....	....	....	.23	.77	.66	.73	....	....	....	....	....	.17	....	....	.02	....	....	....	.72	3.93
Williamsport‖‖	W. Br. Susq	.22	.11	.30	....	....	....	....	....	....	....	.14	.03	....	....	.45	1.08	....	.20	.05	....	T.	....	.01	....	.24	.37	T.	....	....	....	.57	3.77
Williamstown	Lower Susq	.47	....	....	.22	T.	T.	....	....	....	....	....	....	....	.45	.65	....	....	.22	....	....	....	....	.10	....	.99	.02	....	....	....	....	1.62	4.74
York	Lower Susq	.10	....	.08	....	1.62	.68	....	....	....	.03	....	....	....	.38	.93	....	.51	.18	....	.02	....	....	....	....	....	.42	....	....	....	....	.04	4.99
York Haven‖‖	Lower Susq	.39	....	.04	....	....	1.50	....	....	....	.02	....	....	.11	....	1.00	.47	....	.12	....	....	....	....	....	....	....	....	.50	....	....	....	.12	4.27
ionsville..(near)	Schuylkill	....	.75	.15	....	.15	.10	....	....	....	....	....	1.00	....	T.	1.00	....	....	.04	....	....	....	....	.11	....	....	.97	.04	....	....	....	.71	5.02
Trenton, N. J***	Lower Del	.06	..	T.	....	.13	.10	T.	....	....	....	.43	....	T.	T.	.63	.07	....	T.	..	T.	....	....	....	....	....	.39	T.	....	....	.02	.01	1.84

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	T.	.05	.50		.25	.10				.02	.28	1.11		.76	.12	T.	.57	.05	.01				T.		.18	.56					.07	4.63
Blairsville	Allegheny																																
Bradford	Allegheny	.05	.05	.11		T.				.14	1.31	.48	.22		.06	.35	.20		.09						.38	.07	.07	.07			T.		3.65
Brookville‖‖	Allegheny	T.		.27		.03					.70	.40	.70			1.06	.20	.37								.18	.10						4.01
Butler	Ohio																																
Chambersville	Allegheny		.25	.06	.21	1.03				.03	.22	1.15	.07	.32	.09	.29	1.16	.91					.15				.61				.02		6.57
Clairton‡	Monongahela	T.	.70	T.		T.				T.	.38	.83		.37	.92		.76	T.	.01				.02		T.	.41							4.40
Clarion	Allegheny	.03	.23			.64					1.29	.22	.04			.10	2.07	.84	.04							.10	.17						5.77
Claysville	Ohio			.95		.01					1.00	1.38	.03	.13	.52	.71	1.60	.32	T.					.02	.29		.59						7.55
Confluence‖‖	Youghiogheny	.22		.90		.03	T.					.23	.78		1.90	.17	.12	.18	.88	.05				.58		.10	.40						6.54
Connellsville	Monongahela	T.	T.	.56	.24	T.	.16				T.	.06	1.13		2.41	.35	.18	.09	.17	.01						T.	.41	.02					5.79
Corry	Allegheny		.04		.16					.06		.17	.06	.06	.06	.32	.95		.03							.20	.02	.09					2.22
Coudersport	Allegheny	.01	.12	.03							.13	T.			.02	.23	.18		.13			.04		.05	.73		.55				.03		2.25
Derry	Conemaugh			.46	.21	.16				.40	.15	.60	.23	.06	1.26	.86	.86	1.13	.05					T.			.42						6.85
Donora‖‖	Monongahela	T.		.23	.02					T.		.74	1.39		1.61	.31	.13	.62	.01					T.		.04	1.00						6 10
Du Bois	Allegheny	.02	.04	.34							.62	.40	.06		.02	1.16	.51	.11	.05	.04				.15	.08	T.	.28						3.88
Ebensburg	Conemaugh			.38							.02		.48		.34	.43	.46	.86	.85				T.			.28						.05	4.15
Franklin‖‖	Allegheny			.24		.58					.39	.45	.28		.86	.58	.94	.36		.08							.74	.03				.04	5.57
Greensboro‖‖	Monongahela			1.13	.36	T.	.05					2.01	.15		.28	.32	.04	.34						.11		.70	.47	.09					6.05
Greensburg	Youghiogheny		.27	.37	.28	.07				T.	1.28	.99	.43	T.	.62	.53	.67	.55	.02						.02		1.04					T.	7.14
Greenville	Beaver	.03	.01		.19	.25	T.				.03		.25	.50	.62	.72	1.75	.05	.12					.05		.35	.62	.10			T.		5.64
Grove City	Beaver	T.	.27	.01	.25	.01	.09				T.	.23	.51	.27	.02	.12	.75	.34	.01						T.	.27	.30				.12		3.57
Herrs Isl. Dam‖‖	Ohio	T.	T.	.26		.03					.01	.26	.20	.02	.69	.16	T.	.88	.73	.02				.07		T.	.42						3.75
Irwin	Monongahela		.32	.30	.17	.17				.18	.85	.79	.30	.11	1.06	.46	.39	.70	.06				.29	.06	.20		1.10						7.51
Johnstown	Conemaugh		.21		.08					.16	.10	.65		1.98	.83	.87	.40	.22					.27		T.	.15	.09						6.01
Kane (near) ‡‡	Allegheny	.04	.03	.19							.17	1.35	.24		.40	.50	1.28						.07		.21	.12	.11	.03					4.74
Kregar‖‖	Youghiogheny		.56		.51	.36				.07	.08	.69		.45	.72	.09	.21		T.					.03	T.	.23	.02					.27	4.29
Lake Lynn‖‖	Monongahela	.10		.85	.44		.01					1.17	.42			.18		.13	.28					1.20			.22	.08					5.08
Linesville‖‖	Beaver				.12	.20					.30	.10		.05	.27	1.42	.24										.33	.03	T.		.05		3.11
Lock No 2‖‖	Ohio			.27								.45	.73		.65	.74		.84	.12	.05		.05		.04			.70						4.64
Lock No.4‖‖	Monongahela	.03		.46	.04		.36				.11	.51	1.35		.34	.96	.35	.58	.08	.01						.35	.85						6.38
Lock No.5‡‡‖‖	Allegheny	.04	.05	.70		.29					.05	.19	1.51		.04	.11	.43	.65		.05		.45					.18					.03	4.77
Lycippus	Conemaugh			.10	.50	.35				T.	.05	1.23	.40		3.54	.30	.40	.54	.03						.88		.22						8.54
McKeesport‖‖	Monongahela			.24		.80						.27	.36		1.22	1.36		.80	T.					T.			.26						5.31
Meadville	Allegheny		.07	.78	.48	.75						.10	.12	.08	.03	.44	1.32	.08	.08							.12	.33	.10			.01		4.89
Midland	Ohio		.17	.26	.04						.02	1.67	.50	1.20	.17	.20	.28	.27	.02		.34			T.		.45							5.59
Mosgrove‖‖	Allegheny	.02		.40		1.10					.01	.96	.45		.12	.14	.19	.28	T.							T	.15						3.82
Mount Lebanon	Ohio	T.	.55	.04	.24				.01	T.	.46	1.26	.16	.66	.20		.47	.13	T.				.01		T.	.52	.03						4.74
Natrona‖‖	Allegheny	.03	.01	.40		.61					.03	.74	1.48		.14	.35	.22	1.65		.10							.21					.03	6.00
New Castle‖‖	Beaver	.02	.01	.42	T.	1.24	.02	T.			.05	.15	1.03	.01	2.91	.22	.06	.02	.12	.07	.01	.04	T.	.01	T.		.28	.01	T.	T.		.12	6.82
Newell	Monongahela			.47			.16					1.08	1.30	T.	.80		.50	.85		T.		T.				.60	.40						6.16
Parkers Landing‖‖	Allegheny			.26		1.45						.90	.90		.08	.23	.33	.28									.36					.07	4.86
Pennline‖‖‡‡	Beaver			.38		.06	.41					.29	.04		.18	.28	1.66	.30	.06	.02						.07	.15	.11			.04		4.05
Pittsburgh***	Ohio	T.	.20	.22	.01					.31	.55	1.13	T.	.11	1.38	.05	1.17	.06	.05				.08		.02	.29	T.						5.63
Punxsutawney‖‖	Allegheny		.37	.05								.58	.46		.04	.45	.47	1.20	.65	T.		.14	.31	.02		.67	.48					.02	5.91
Ridgway	Allegheny	.02	T	.14								.20	.60			.37	2.60	.16	.02	T.			.12		.05	.27	.15	.04					4.74
Salisbury (near)	Youghiogheny	.10	.06	.92	.05	.06	T.			.01	.02	.47	T.	.38	.46	.02	.09	.37	.06	T.		T.	.60	T.	T.	.13	.25	T.				T.	4.05
Saltsburg‖‖	Conemaugh	T.		.32		.53	.06				.01	.56	.96		.13	.55	.13	1 24	1.11	.01				.06		T.	.76						6.43
Sharon‖‖	Beaver			.40			.63						1.25	T.	.95	.84	.18	.48		.12							.67						5.52
Smethport‖‖	Allegheny	.06	.25	.10								.50	1.20	.10		.20	.30			.25				.25	.20	.25	.20	T.	T.				3.86
Somerset	Youghiogheny	.15		.77	.22	.07				.11	.05	.19	.29	1.27	.47	.44	.09	.29	T				.06		.15	T.	.77					.25	5.64
Springdale‖‖‡‡	Allegheny			.43		.84					.27	.47	.93		.61	.38	.14	.96	.43	.05				.30			.35						6.16
Uniontown	Monongahela	.32		1.09	.31	.63	.03				.02	2.02	T.		2.55	.12	.35	.19	.20						.33		.58					T.	8.69
Unity Reservoir‡‡	Youghiogheny		.26	.56	.12	.95					T.	.29	1.66	.29	T.	1.16	.37	.95	.45	.03					.03		.72						7.84
Vandergrift‡	Conemaugh			*		.23				.99	.02	2.16		.19	.06	.06	1.12	.11	.07				.08			.22						.05	5.36
Warren	Allegheny	.06				.35					1.10		.46		.20	1.10	.18	.10	.24			.18		.20	.15	.15	.21	.10				.06	4.84
Waynesburg	Monongahela			1.11	.21						.21	.39	.08		.11	.89	.60	.40	.26							.06	.35						4.67
Westford‖‖	Beaver	.02	.03		.16	.36					.30	.16		.35	.40	1.10	.16									.85	.15						4.04
West Newton‖‖	Youghiogheny			.25			.02					.86	.71		.25	1.33	.26	.51	.02							.22	.78						5.21
Lake Drainage.																																	
Erie***	Lake Erie		.21		T.							.10			.61	.13	.04	.03	.01						.34	.11	.01	.01		T.			1.60

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville: of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	29.97	30.16	10	29.66	15	10.5	35	sw.	25	74	60	62	61
Harrisburg	29.97	30.17	28	29.69	16	6.4	24	nw.	16	77	55	61	83
Philadelphia	29.99	30.19	28	29 70	1	10.3	29	sw.	26	72	52	61	67
Pittsburgh	30.00	30.22	10	29.70	16	8.7	42	nw.	25	81	53	63	71
Reading	29.97	30.18	28	29.68	16	8.7	49	e.	23	76	53	61	56
Scranton	29.98	30.17	29	29.67	16	5.3	19	sw.	24	80	55	61	64

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	2.7	3.9	2	1.8	26	18
Easton	Delaware	2.1	4.0	3	1.0	28	22
Lehighton	Lehigh	2.7	3.1	2	2.4	11	9
Wilkes-Barre	Susquehanna	3.3	4.9	2	2.2	30	20
Williamsport	Susquehanna	1.4	2.5	20	0.9	10	20
Harrisburg	Susquehanna	3.8	4.2	19	3.4	29	18
Greensboro	Monongahela	11.1	12.7	13	10.5	26	30
West Newton	Youghiogheny	1.2	5.0	14	0.4	31	20
Lock No. 4	Monongahela	11.5	13.1	15	11.0	26	30
Pittsburgh	Ohio		16.2*	17	10.8*	31	25
Midland	Ohio		16.3	17	9.2*	30	30

* —Pool stage.

Daily Temperatures for July, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	68	73	74	81	76	85	90	92	92	92	89	86	81	70	88	88	82	73	75	73	80	83	84	87	86	79	72	80	83	86	84	81 7
	Minimum	46	45	51	50	61	55	58	66	72	70	67	68	64	67	67	69	65	60	59	56	53	60	59	59	61	63	53	47	51	57	61	59.4
Bedford	Maximum	70	76	78	80	77	86	92	94	94	94	91	86	86	79	92	92	89	81	80	77	82	87	88	93	91	90	80	84	88	90	88	85.6
	Minimum	49	48	55	54	56	55	60	60	67	67	67	65	69	68	69	74	63	60	54	61	55	55	56	58	59	64	53	44	49	59	59	59.1
Bethlehem	Maximum	82	78	75	86	86	87	95	98	98	99	99	88	97	92	85	93	93	85	87	82	84	88	92	91	91	91	78	84	87	86	86	88.5
	Minimum	57	53	56	58	60	65	68	72	74	74	74	69	67	64	62	69	72	68	66	68	60	62	64	63	65	64	64	56	56	62	65	64.4
Brookville	Maximum	65	71	75	85	68	89	90	91	92	90	76	86	85	76	79	89	84	70	77	81	84	86	88	87	87	78	70	81	85	86	82	81.7
	Minimum	40	42	49	44	57	57	55	58	62	63	63	64	60	64	65	63	64	59	55	58	51	56	56	54	58	64	46	38	43	51	53	55.3
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	77	80	78	86	80	86	95	97	96	99	97	91	96	82	81	95	90	81	85	81	86	89	91	94	92	90	83	85	89	88	85	87.9
	Minimum	54	50	54	50	62	64	63	67	73	72	71	70	67	64	65	65	64	64	62	67	55	58	62	61	67	70	58	50	53	60	60	62.0
Catawissa	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Chambersburg	Maximum	75	77	77	85	78	85	94	97	95	96	94	92	91	83	85	93	89	76	84	78	84	89	89	92	91	87	86	83	86	89	83	86.6
	Minimum	55	51	58	55	64	65	63	66	73	70	71	69	70	66	67	78	67	63	59	66	56	59	63	62	65	71	60	51	55	63	62	63.2
Chambersville	Maximum	77	85	85	82	86	85	91	91	92	93	85	88	88	80	89	89	82	81	78	79	84	86	86	87	89	78	73	78	84	85	82	84.5
	Minimum	51	51	52	50	51	52	56	61	67	65	63	65	64	66	66	66	62	59	55	56	52	58	55	57	60	64	49	40	47	55	56	57.1
Claysville	Maximum	70	72	82	85	81	89	93	93	93	93	90	90	87	86	91	91	85	84	78	85	87	89	90	90	90	76	77	84	89	91	88	86.1
	Minimum	42	45	58	61	62	56	57	61	66	70	64	69	66	67	68	66	64	60	52	54	54	56	57	59	65	65	50	44	47	55	57	58.6
Clearfield	Maximum	75	70	79	85	73	92	95	95	95	93	86	85	88	82	90	90	86	79	78	84	86	86	86	90	90	84	78	83	87	88	86	85.3
	Minimum	43	46	48	52	42	56	55	63	65	65	62	65	62	65	64	65	63	58	63	62	58	69	57	58	65	60	51	43	45	56	52	57.4
Coatesville	Maximum	77	79	77	86	72	85	93	96	96	96	95	90	89	70	89	94	90	81	88	78	85	89	90	90	93	90	82	67	86	87	83	85.9
	Minimum	57	50	59	55	61	66	65	70	74	73	75	71	69	65	65	70	70	68	63	56	57	56	61	63	67	73	63	54	54	60	64	64.0
Corry	Maximum	68	71	80	88	92	90	94	97	101	95	94	90	89	87	87	98	84	79	79	84	88	90	88	87	88	78	71	84	87	89	88	86.6
	Minimum	45	43	47	45	60	55	55	58	62	65	71	52	62	68	57	61	64	57	63	52	54	55	54	59	62	58	51	43	51	58	48	56.6
Emporium	Maximum	66	71	76	84	84	89	92	94	92	92	79	87	86	77	88	88	84	76	79	82	85	87	88	87	88	82	69	80	87	86	83	83.5
	Minimum	46	47	50	50	58	55	60	61	64	65	63	65	64	63	65	65	64	58	56	59	58	60	60	61	62	64	52	45	49	49	54	57.8
Erie*	Maximum	66	71	71	85	81	83	87	91	87	88	86	80	83	82	87	82	80	74	73	79	82	84	85	84	88	73	70	79	80	80	74	80.5
	Minimum	56	56	58	61	68	65	68	71	76	76	70	72	69	71	72	72	67	64	60	63	66	67	68	67	68	59	58	57	66	66	61	65.7
Franklin‡	Maximum	62	67	77	86	84	88	90	93	93	91	86	88	86	80	88	88	83	71	78	83	85	87	87	86	84	71	68	78	78	83	83	82.3
	Minimum	45	45	46	51	53	59	59	63	63	55	65	67	64	60	69	68	66	59	51	52	55	57	60	59	58	64	52	44	45	51	54	57.1
Freeland	Maximum	68	68	68	79	75	88	87	90	91	90	86	82	83	79	75	85	77	73	76	74	78	85	82	84	83	80	76	77	80	76	79	79.8
	Minimum	52	48	51	53	58	50	64	68	71	68	67	66	62	58	58	65	64	58	55	61	56	60	64	55	65	69	54	52	59	58	58	60.2
Gettysburg	Maximum	75	78	78	82	79	84	90	95	94	96	94	91	90	86	87	94	92	85	84	80	83	88	88	89	89	86	84	83	84	85	33	86.3
	Minimum	55	53	60	54	65	65	53	68	74	73	73	69	71	67	68	72	68	63	61	65	58	60	65	69	65	72	61	54	56	63	61	64.2
Greensburg	Maximum	67	71	78	88	85	85	91	92	90	89	90	87	87	80	89	89	83	85	78	80	84	84	87	83	90	87	73	80	85	86	85	84.1
	Minimum	49	49	49	51	55	59	60	65	70	69	68	64	68	69	67	70	64	61	52	61	57	62	59	62	66	65	53	49	53	57	53	59.9
Grove City	Maximum	66	63	78	78	81	85	94	92	86	76	77	86	86	78	85	85	76	77	74	74	87	87	86	84	80	71	67	77	84	79	79	79.9
	Minimum	47	47	40	58	61	50	69	66	65	69	65	66	65	67	73	66	63	57	52	56	58	61	61	64	66	63	49	49	55	61	58	60.2
Hamburg	Maximum	84	80	74	78	76	84	88	92	90	89	98	92	90	75	82	98	82	78	85	80	90	90	91	90	89	76	74	79	80	80	78	84.3
	Minimum	56	48	53	54	61	67	54	68	71	75	77	72	67	64	63	68	70	65	65	67	57	59	61	59	57	67	61	52	55	61	62	62.8
Harrisburg*	Maximum	73	76	76	82	72	83	92	96	94	95	93	90	88	76	83	92	82	78	82	77	82	88	87	88	89	85	78	81	83	83	81	84.0
	Minimum	57	55	59	58	62	55	67	71	75	76	74	71	71	64	65	70	70	68	67	67	60	55	65	66	66	57	64	57	62	63	63	65.5
Hawley	Maximum	73	74	72	83	80	87	90	94	92	94	89	82	85	73	75	88	82	79	81	80	83	86	88	88	87	84	75	79	85	83	82	83.0
	Minimum	53	43	52	47	51	54	57	56	51	64	62	65	56	60	58	64	54	57	50	58	52	55	56	55	56	69	51	46	48	51	56	55.7
Holtwood*	Maximum	73	79	75	82	72	84	90	91	91	90	93	88	88	77	86	93	86	79	83	77	85	86	86	90	90	88	79	81	86	86	82	84.4
	Minimum	61	60	61	59	68	70	69	71	74	74	73	73	73	70	72	73	72	71	69	54	64	64	64	68	73	72	64	60	64	66	68	67.9
Huntingdon	Maximum	71	78	74	86	80	90	96	97	97	96	90	92	90	74	93	94	88	78	82	80	86	89	90	92	93	83	78	84	89	92	88	86.8
	Minimum	49	44	42	50	62	49	56	51	67	67	68	65	65	67	67	71	64	63	57	60	57	57	59	62	61	64	57	44	49	60	60	58.8
Johnstown	Maximum	69	72	89	85	80	88	92	93	92	91	90	89	87	83	90	90	85	73	81	78	85	86	89	88	91	78	74	82	88	90	86	84.8
	Minimum	48	47	49	56	62	53	54	62	68	68	66	66	69	69	67	69	64	61	59	61	58	62	57	59	61	68	55	48	54	57	61	60.3
Lancaster	Maximum	78	79	78	85	85	90	94	97	96	97	94	95	93	88	87	95	93	85	86	85	87	85	88	89	89	88	84	83	85	85	85	88.0
	Minimum	53	49	57	51	51	54	62	63	67	68	71	73	72	67	67	67	66	66	63	68	65	58	64	64	67	68	59	53	54	60	62	62.5
Lawrenceville	Maximum	69	75	77	86	87	91	92	96	94	94	88	84	90	83	90	91	90	84	79	85	88	90	92	90	88	83	75	84	87	85	83	86.1
	Minimum	53	43	52	49	55	54	59	59	53	64	64	68	60	56	62	61	64	59	49	55	56	58	57	57	68	63	54	46	48	59	57	56.8
Lebanon‡	Maximum	75	78	76	84	73	86	94	96	98	98	94	90	90	69	86	94	84	80	85	80	84	91	90	90	90	85	80	82	86	85	82	85.6
	Minimum	53	59	55	53	65	64	64	62	71	70	73	70	68	67	64	66	67	65	63	68	55	60	63	61	65	72	58	52	56	63	62	62.7
Marcus Hook*	Maximum	81	80	87	85	79	95	96	101	100	98	96	93	87	91	99	97	91	86	85	83	90	93	94	96	95	92	86	91	90	88	90	90.8
	Minimum	58	67	58	67	69	70	75	76	77	79	74	74	67	67	70	82	71	67	69	63	64	67	71	74	79	69	61	51	66	69	68	69.6
Meadville	Maximum	67	71	79	86	85	87	91	94	94	94	94	89	86	83	91	89	85	79	75	87	85	88	88	89	88	73	69	82	86	85	84	84.6
	Minimum	51	48	52	55	64	57	59	63	58	68	68	69	66	70	69	69	66	59	52	55	57	60	60	63	67	63	54	47	56	62	52	60.3
Montrose	Maximum	64	72	70	79	80	86	85	90	95	90	84	76	81	78	76	84	83	74	77	80	82	84	85	84	84	79	75	75	76	79	79	80.2
	Minimum	49	46	51	50	59	58	63	59	68	68	65	66	57	59	58	55	61	57	52	60	59	60	62	52	59	68	51	51	54	58	58	58.8
Mount Pocono	Maximum	66	58	66	75	73	81	87	88	88	88	83	79	86	61	73	83	75	70	74	73	77	76	75	81	82	77	69	74	77	74	75	76.6
	Minimum	51	44	49	50	52	59	57	65	62	67	68	65	60	58	55	63	63	63	53	58	51	56	54	60	62	69	54	45	48	54	58	57.2
Philadelphia*	Maximum	75	77	76	85	75	83	94	94	98	98	92	89	89	70	87	92	88	85	85	73	83	86	88	88	92	88	80	83	86	87	82	85.4
	Minimum	59	61	66	66	65	68	68	74	77	79	74	74	69	65	65	76	73	71	69	67	65	66	68	69	71	69	69	66	66	67	70	68.8
Pittsburgh*	Maximum	68	70	80	85	81	87	90	94	91	93	90	88	87	82	89	90	83	70	75	80	85	85	88	86	88	75	72	82	87	87	84	83.6
	Minimum	50	50	57	51	54	63	66	59	69	56	67	69	67	66	68	65	66	60	57	59	61	55	62	65	65	60	53	54	59	62	64	62.2
Quakertown	Maximum	84	76	....	....	....	83	91	95	95	96	93	86	86	83	84	90	87	80	83	81	79	86	88	90	90	87	76	80	83	83	81	85.6°
	Minimum	56	45	....	....	....	65	60	64	65	59	70	67	65	62	62	62	67	65	51	59	55	53	59	59	61	67	60	50	49	56	52	60.5°
Reading*	Maximum	72	76	73	84	71	84	91	94	96	95	93	88	89	72	85	91	83	80	83	79	83	87	87	87	88	83	77	79	83	83	83	83.8
	Minimum	57	55	60	60	65	66	69	74	77	75	75	73	70	64	64	73	72	67	67	65	59	64	63	65	66	68	63	59	60	64	64	65.9
Ridgway‡	Maximum	65	70	76	84	85	88	92	93	92	93	83	85	85	79	88	86	85	72	77	80	84	86	86	85	88	76	64	79	84	83	81	82.4
	Minimum	42	40	47	45	56	52	57	58	59	61	62	66	61	66	66	65	64	57	53	54	55	57	57	55	57	65	50	38	45	53	50	55.3
Scranton*	Maximum	70	76	73	84	81	69	91	94	94	94	91	81	88	70	80	90	81	77	81	81	85	87	88	89	91	89	73	80	88	85	88	84.0
	Minimum	56	49	57	53	58	61	64	64	69	72	71	68	63	64	63	69	68	63	60	63	60	61	62	63	62	67	60	55	53	60	61	61.9
Selinsgrove	Maximum	72	76	75	83	82	89	90	95	95	92	90	89	87	87	83	90	89	78	82	80	84	89	90	88	87	85	80	81	84	85	84	85.2
	Minimum	52	47	54	51	60	61	59	64	65	67	71	70	63	64	63	67	65	61	56	64	58	60	62	62	61	71	65	48	52	61	60	60.8
Somerset	Maximum	61	63	72	72	69	78	84	87	84	82	72	79	79	75	82	81	78	78	72	72	76	76	78	81	81	81	69	74	78	79	79	76.5
	Minimum	41	42	54	53	62	51	51	54	62	62	63	54	65	65	64	66	60	58	50	53	47	51	50	50	52	62	50	37	43	49	52	54.6
State College	Maximum	67	74	74	82	78	86	92	93	94	91	86	87	86	75	87	89	84	73	78	77	83	86	87	87	86	78	72	81	83	85	82	82.7
	Minimum	48	46	51	50	60	56	59	65	70	68	67	66	63	65	64	69	63	60	57	59	56	59	63	62	59	64	52	50	51	61	58	59.4
Stroudsburg‡	Maximum	74	75	72	78	76	88	94	97	96	97	94	86	88	69	78	91	87	85	88	84	85	88	88	87	89	84	78	81	81	84	86	84.8
	Minimum	54	47	48	51	58	61	55	51	64	68	72	69	63	63	62	62	69	67	70	66	53	58	59	59	61	69	57	48	48	50	60	59.7
Towanda	Maximum	69	75	74	82	84	89	89	95	95	95	88	81	86	69	83	89	83	76	81	85	86	88	91	89	89	82	70	81	85	86	82	83.8
	Minimum	53	47	52	50	53	54	59	67	64	65	66	66	58	59	62	57	66	59	52	59	59	58	60	60	59	66	55	50	48	59	59	58.4
Uniontown	Maximum	70	73	80	83	77	85	90	92	92	93	89	86	86	84	89	90	84	76	77	77	84	86	91	86	88	82	74	81	86	88	82	83.9
	Minimum	50	51	58	64	66	61	52	64	69	71	67	69	70	68	69	70	65	63	55	63	57	59	58	61	65	67	54	48	52	55	62	61.7
Vandergrift*	Maximum	68	76	78	87	81	89	91	92	92	99	92	90	85	82	92	94	88	74	79	83	85	87	89	89	90	82	77	82	85	90	85	85.7
	Minimum	46	48	57	57	57	57	60	64	70	69	68	69	69	69	69	67	67	60	54	60	57	63	59	61	66	60	53	48	52	58	60	60.5
Warren	Maximum	66	70	70	78	82	84	82	86	90	88	80	81	80	82	76	81	84	78	70	75	79	80	80	84	82	82	67	67	75	81	80	78.7
	Minimum	52	50	58	50	60	60	62	64	65	68	67	69	66	70	69	68	67	65	57	56	60	61	62	72	72	67	57	50	54	68	70	62.8
Waynesburg	Maximum	69	72	80	83	80	88	92	92	91	92	88	88	86	84	89	90	84	80	79	83	86	88	88	88	88	76	75	82	87	89	88	84.7
	Minimum	47	47	59	61	53	57	58	62	67	69	65	70	68	69	68	69	65	61	56	58	54	57	58	59	65	66	51	46	50	54	60	60.0
Wellsboro	Maximum	67	73	75	86	79	90	92	96	94	94	86	82	89	80	85	88	84	73	77	83	86	88	88	88	85	83	70	80	85	83	78	83.4
	Minimum	49	41	52	47	53	52	52	56	61	62	63	65	58	57	61	65	64	58	50	55	57	57	57	58	57	51	52	44	42	53	58	55.1
Williamsport	Maximum	70	75	74	83	79	89	92	95	95	94	87	86	88	87	84	90	84	77	81	82	85	89	89	89	89	83	80	80	87	86	83	84.9
	Minimum	52	48	52	51	57	58	60	54	68	69	69	70	62	63	65	68	68	62	55	61	61	60	62	62	62	66	55	49	50	52	60	60.3
Williamstown	Maximum	59	73	73	78	74	87	93	95	96	96	97	93	88	88	83	89	93	86	87	85	90	90	89	86	92	90	89	82	83	84	85	86.5
	Minimum	51	50	53	55	56	56	65	69	71	68	65	68	62	58	59	69	67	59	57	63	57	60	63	60	62	69	56	52	60	60	58	60.6
York	Maximum	74	79	75	83	79	84	90	94	93	94	93	90	88	82	86	95	92	79	84	78	84	87	86	89	89	86	80	82	84	83	81	85.3
	Minimum	51	51	57	52	63	64	68	55	70	69	72	58	68	55	67	70	65	54	59	66	55	59	63	51	69	70	57	52	55	61	61	52.5

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* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

THE LIBRARY OF THE 1937 UNIVERSITY OF ILLINOIS

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA. PA.

VOL. XLII. AUGUST, 1937 NO. 8.

GENERAL SUMMARY.

The month was warm and wet, with the temperature average being the third highest since State-wide records were begun in 1888, and it was the warmest August since 1918. No unusual extemes of temperature were recorded, and but two stations reported a maximum of over 100°, but the daily mean temperature was consistently above the normal except on three or four days. The highest temperatures for the month occurred mostly at the end of the second decade, on the 19th or 20th, while lowest readings occurred generally on either the 2d or 15th. Rainfall was above the normal in nearly all parts of the State, excepting the southwestern counties, and the State average was nearly 25 percent above the 50-year normal. The heaviest rainfall occurred over most of Tioga county and at scattered stations in southeastern counties, and monthly totals exceeding eight inches were numerous. As a result of a fall of over seven inches on the 26-27th in northern Tioga county and in the district between Wellsboro and Corning, in southern New York State, flood conditions prevailed at Wellsboro on the 27th when Marsh Creek overflowed its dikes, with property loss estimated at over a half a million dollars, and loss to crops and farms about $50,000. The frequent heavy rains were beneficial to meadows and pastures and hay grew rapidly, but harvest was difficult due to the rains. At the end of the month the oats harvest was completed in the southern tier of counties, but the crop was not quite as good as was expected. In the northern counties there was too much rain at harvest time and oats shocked in the field were rotting. Early potatoes were mostly good to excellent with a large crop being dug, but blight had seriously affected the late varieties. The warm weather of mid-August ruined many fields in southern Pennsylvania, and then the heavy rains uncovered many more. Tobacco was also adversely affected in Lancaster county. Rust and insects did considerable damage and the weather was unfavorable for curing. The fruit crop was generally excellent both in yield and quality, with apples, peaches and pears very plentiful. In the grape belt in Erie county a good crop was in prospect with the harvest promising to begin a little later than last year. Aside from the damage by heavy rains, no unusually destructive storms were reported during the month.

F. H. A.

TEMPERATURE.

The mean temperature for the State, as shown by reports from 90 stations, was 73.5°, or 3.3° in excess of the 50-year average for the State. The highest mean for the month was 79.4° at Marcus Hook, and the lowest 67.2° at Somerset. Extremes for the month ranged from a maximum of 101° at Ephrata on the 20th to a minimum of 40° at Hyndman on the 30th. The greatest daily range in temperature was 51° at Butler on the 17th.

PRECIPITATION.

The average precipitation for the State, as deduced from observations made at 150 stations, was 5.43 inches, or 1.17 inches greater than the 50-year State normal. The greatest monthly amount was 11.29 inches at Lawrenceville and the least 1.42 inches at Claysville. The greatest amount in any 24 consecutive hours was 6.50 inches, which fell in a 14-hour period at Wellsboro on the 26-27th.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.8	100	33	7.05	....	10	13	10	8
1889	67.4	100	37	3.24	....	8	15	10	6
1890	68.8	98	34	5.76	....	12	9	14	8
1891	69.6	99	35	5.09	....	12	8	12	11
1892	71.4	99	42	3.77	....	9	14	7	10
1893	70.4	99	30	4.50	....	8	14	10	7
1894	69.4	98	32	1.84	....	6	13	12	6
1895	72.3	101	32	3.23	....	9	15	11	5
1896	71.2	101	35	2.22	....	8	14	11	6
1897	67.9	97	34	3.17	....	9	14	11	6
1898	72.3	99	37	6.60	....	12	11	11	9
1899	71.2	101	38	4.01	....	7	14	10	7
1900	75.0	103	38	3.33	....	9	14	12	5
1901	72.0	99	42	6.81	....	11	10	12	9
1902	67.8	100	34	2.62	....	8	13	13	5
1903	67.2	99	36	5.29	....	14	9	12	10
1904	68.0	96	34	4.36	....	9	15	10	6
1905	69.6	95	36	5.71	....	12	12	12	7
1906	73.2	96	39	5.62	....	12	10	12	9
1907	68.0	97	32	2.94	....	10	16	9	6
1908	69.4	102	30	3.22	....	7	15	10	6
1909	69.4	100	34	2.31	....	7	16	9	6
1910	69.8	98	35	2.61	....	6	14	10	7
1911	71.4	102	36	7.63	....	13	11	8	12
1912	67.1	93	36	5.02	....	14	9	12	10
1913	70.4	102	38	2.69	....	8	17	9	5
1914	71.3	100	34	3.85	....	11	13	11	7
1915	68.0	99	34	6.71	....	15	10	11	10
1916	71.9	103	32	2.57	....	8	17	10	4
1917	71.2	101	38	6.69	....	10	15	10	6
1918	73.6	108	32	4.12	....	11	16	10	5
1919	68.2	94	35	5.43	....	12	13	10	8
1920	70.2	95	37	4.66	....	15	9	12	10
1921	68.4	97	35	3.83	....	9	17	8	6
1922	69.1	100	31	3.14	....	10	15	9	7
1923	69.2	96	30	3.10	....	9	15	11	5
1924	70.1	102	31	3.78	....	9	16	10	5
1925	69.7	97	26	2.28	....	7	18	9	4
1926	71.9	103	32	5.69	....	15	11	8	12
1927	65.5	92	34	4.12	....	12	12	10	9
1928	73.4	99	35	4.60	....	12	13	11	7
1929	67.7	98	31	2.52	....	7	17	8	6
1930	70.3	108	29	1.47	....	7	15	10	6
1931	71.1	104	40	4.01	....	12	11	10	10
1932	71.6	103	34	2.82	....	8	19	8	4
1933	70.8	104	38	7.61	....	12	13	9	9
1934	68.6	98	30	4.94	....	11	14	8	9
1935	71.3	98	31	3.91	....	11	13	10	8
1936	73.2	102	37	4.96	....	12	13	11	7
1937	73.5	101	40	5.43	....	12	13	9	9
Period	70.2	108	26	4.26	....	10	13	11	7

Climatological Data for August, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	75.4	+3.7	95	20†	54	16	35	6.58	+1.68	2.00	0	15	16	12	3	s.	John A. Frick.
Altoona	Blair	1,615	50	71.4	+2.3	92	20†	50	3	36	5.20	+1.71	2.14	0	9	14	8	9	w.	John J. Martin.
Ardmore	Montgomery	350	17	74.2	+2.0	93	20†	56	15	27	5.04	−0.43	1.32	0	14	10	8	13	......	H. L. Balderston.
Arendtsville	Adams	700	15	75.0	+2.8	97	20	58	23	33	5.50	+1.59	3.23	0	13	14	7	10	s.	Harold J. Miller.
Bedford	Bedford	1,060	5	73.5	....	95	5†	50	2†	40	4.52	....	1.59	0	9	13	5	13	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	76.6	+3.5	98	20	55	23	33	5.89	+1.44	2.84	0	13	21	1	9	sw.	Lehigh University.
Carlisle	Cumberland	467	71	75.2	+2.4	96	20	54	15	35	7.98	+3.26	2.64	0	11	21	3	7	ne.	Prof. C. E. Miller.
Center Hall	Center	1,272	41	69.2	+0.8	90	5	50	23	34	8.09	+4.16	2.00	0	13	20	1	10	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	75.6	+3.4	98	20	54	14	35	5.11	+1.29	1.93	0	12	9	15	7	sw.	William B. Spear.
Clearfield	Clearfield	1,120	30	74.0	+3.0	95	17	48	15	41	5.52	+1.40	1.80	0	10	18	7	6	w.	E. W. Hess.
Coatesville	Chester	380	50	74.9	+2.3	97	20†	54	15	33	6.46	+1.73	2.47	0	14	10	3	18	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	71.2	+1.0	89	19†	52	15	29	5.48	+0.39	1.29	0	15	17	8	6	s	Wm. A. Korer.
Emporium	Cameron	1,050	50	72.2	+4.7	91	17†	49	15	37	4.82	+0.84	1.15	0	11	18	6	7	w.	C. E. Koppeuhefier
Ephrata	Lancaster	380	45	76.6	+4.4	101	20	56	15	34	6.26	+2.00	1.26	0	14	17	3	11	s.	Ira J. Keath
Freeland	Luzerne	1,970	44	70.2	+3.7	88	20†	51	23	28	6.60	+2.20	2.22	0	16	6	3	22	sw.	Andrew B Evausha
George School	Bucks	190	31	76.2	+4.3	95	20†	56	15†	34	4.33	−0.71	1.35	0	14	17	5	9	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	75.2	+3.1	97	20	57	12	34	4.29	−0.03	0.88	0	12	14	8	9	s.	Dr Henry Stewart
Gordou	Schuylkill	840	33	71.5	+3.3	94	20	48	15	37	6.33	+2.17	1.76	0	14	20	2	9	e.	Miss Sallie M. Johuson.
Gouldsboro	Wayne	1,875	22	67.6	+4.1	87	20	43	15	39	5.18	+0.87	1.67	0	10	19	6	6	w.	Ronald H. Marshall,
Hamburg	Berks	535	44	71.2	−0.2	92	4	51	14	32	7.66	+2.49	1.62	0	16	14	6	11	sw.	State Sanatorium.
Hauover	York	600	33	75.7	+2.2	98	20	58	15†	30	5.10	+0.58	1.37	0	14	17	6	8	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	75.0	+2.4	93	20	59	23	27	6.24	+2.20	1.71	0	13	11	7	13	s.	U. S. Weather Bureau.
Hawley	Wayne	900	19	70.6	+2.7	95	20	44	15	42	5.31	+1.22	1.73	0	13	22	5	4	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	76.5	+1.7	92	19	61	23	27	6.78	+2.86	2.65	0	15	10	9	12	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	74.7[a]	+4.1	97[a]	5	51[a]	2	38[a]	6.62	+2.74	2.13	0	9	14	10	7	se.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	74.8	+3.2	100	13	40	30	43	5.03	+1.46	1.64	0	8	19	3	9	......	Glenu R. Shaffer.
Kyiertown	Clearfield	1,637	6	70.6	....	89	5	47	15	35	5.39	....	2.20	0	14	6	10	15	sw.	U. S. Weather Bureau.
Laucaster	Lancaster	255	50	75.4	+3.2	96	20	55	15†	34	10.58	+6.50	3.69	0	12	16	8	7	sw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	40	71.9	+3.7	93	5	50	1†	36	11.29	+7.82	4.80	0	10	11	16	4	......	C. P. Darling.
Lebanon	Lebanon	469	53	74.8	+2.7	98	20	55	15	33	6.14	+1.71	2.45	0	11	16	3	12	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	75.0	+3.6	95	5	54	15	33	7.64	+3.63	1.49	0	13	10	17	4	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	79.4	+3.5	97	5†	59	22	27	7.92	+2.43	......	0	14	17	3	11	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	76.2	+5.3	99	19	53	16	39	4.78	+1.01	2.00	0	8	13	10	8	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	67.6	+3.6	88	20	48	15†	32	9.31	+5.05	3.25	0	10	7	3	21	nw.	Paul C. Hoskiuson.
Muncy Valley	Sullivan	1,045	25	70.8	+3.0	90	20†	48	15	36	7.62	+2.99	2.05	0	10	18	7	6	w.	H. O. Hacker.
Neshamiuy Falls‡‡	Bucks	60	48	75.6	+4.0	95	20	55	15†	36	4.78	−1.09	0.91	0	14	18	2	11	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	73.5	+3.0	94	20	52	15	34	5.34	+1.38	1.56	0	14	17	9	5	ue.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	77.2	+2.4	94	19	60	23	23	4.10	−0.52	1.33	0	12	10	8	13	sw.	U. S. Weather Bureau.
Phœuixville	Chester	100	27	76.2	+2.5	98	21	52	15	36	3.91	−1.44	0.89	0	17	15	9	7	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	73.0	+2.7	94	20†	50	2†	34	9.38	+4.29	3.98	0	15	10	9	12	sw.	John E. Benner.
Reading	Berks	273	67	75.5	+3.1	96	20	57	23	25	5.23	+1.02	1.83	0	12	8	12	11	s.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	72.0	....	91	20	50	15	33	4.45	....	1.17	0	15	20	4	7	s.	Theodore J. Sampson.
Scrauton	Lackawanna	746	43	74.0	+4.2	94	20	54	15	32	6.43	+2.74	2.80	0	14	7	16	8	u.	U. S Weather Bureau
Selinsgrove	Snyder	455	47	73.4	+2.1	89	5†	53	3	34	4.18	+0.34	0.92	0	12	11	13	7	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	77.1	+3.1	95	20	58	15	30	4.48	−0.63	2.11	0	15	11	8	12	s.	W. S. Guiles.
Shippensburg	Cumberland	660	4	74.4	....	95	20	57	14†	31	6.14	....	1.50	0	12	12	10	9	sw.	State Teachers College
State College	Ceuter	1,217	53	71.8	+3.1	90	19†	92	15	33	5.96	+2.23	1.66	0	12	12	12	7	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	74.0	+4.5	96	20	50	15	37	6.30	+2.10	1.10	0	8	17	4	10	sw.	State Normal School
Towanda	Bradford	754	43	72.8	+4.4	95	20	48	15†	38	4.05	+0.62	1.15	0	10	7	14	10	ne.	Mrs M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	70.5	+4.2	92	5	48	14†	37	10.82	+7.64	6.50	0	10	17	9	5	w.	George W. Hill.
West Chester	Chester	455	88	75.4	+3.4	96	20	56	15	31	7.25	+2.25	1.73	0	15	17	7	7	sw.	Clyde T. Saylor.
Williamsport	Lycoming	521	51	74.0	+2.1	93	20†	52	15	33	7.40	+3.67	2.60	0	13	11	8	12	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphiu	1,275	22	74.0	+3.5	95	20	53	23	31	8.69	+4.68	2.00	0	14	14	8	9	sw.	Susquehanna Collieries Co
York	York	400	49	74.8	+2.3	95	20	54	15	34	6.84	+2.78	2.87	0	13	14	9	8	sw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	70.6	+4.4	92	17	44	15	41	3.52	−0.32	1.18	0	13	13	5	13	......	Frank S. Fawcett.
Butler	Butler	1,077	24	73.0	+3.2	94	20	41	17	51	4.12	+0.22	1.80	0	7	17	12	2	......	William C. Faust.
Chambersville	Indiana	1,047	36	71.8	+1.9	92	18†	49	15	40	4.22	+0.30	1.07	0	12	13	8	10	ne.	John E. Lewis.
Clairton	Allegheny	1,020	5	73.0	....	92	20	55	15	31	2.84	....	0.93	0	11	11	6	14	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	32	75.0	+3.3	94	3†	49	2	42	1.42	−2.35	0.84	0	7	20	3	8	n.	J. L. Melviu.
Corry	Erie	1,430	24	71.4	+4.6	93	20	45	15	44	6.77	+2.78	2.66	0	10	20	10	1	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	70.8	....	90	31	45	15†	42	6.49	+3.09	1.90	0	14	15	8	8	w.	Philip R. Shaw
Derry	Westmoreland	1,172	40	74.4	+3.7	94	20	52	2†	35	2.99	−1.08	1.17	0	10	17	8	6	sw.	Ted R. Wineman.
Donora	Washington	762	11	76.8	+2.9	96	20	58	3†	29	3.25	−0.61	0.65	0	11	13	14	4	sw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	20	70.8	+4.1	90	5†	50	2†	38	6.19	+2.17	1.70	0	13	16	6	9	w.	D. H. Jones.
Franklin	Venango	957	63	71.4	+3.0	92	20	50	15	37	4.27	+0.58	1.10	0	9	0	4	27	s.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	74.0	+3.2	93	20	50	1	32	3.05	−1.06	0.72	0	10	11	17	3	sw.	Westmoreland Water Co
Greenville	Mercer	950	41	74.2	+5.2	94	17†	49	15	44	3.67	+0.20	1.09	0	7	15	9	7	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	70.8	+4.2	88	19†	52	2	32	5.09	+1.62	1.72	0	9	11	10	10	s.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	73.8	+3.2	95	20	51	2	38	3.78	0.00	0.99	0	11	23	7	1	......	W. F. Gallagher.
Johustown	Cambria	1,184	55	75.6	+4.3	96	20	55	2	35	4.42	−0.10	1.77	0	10	11	14	6	w.	Robert Tross.
Kane (near)‡‡	Elk	2,020	5	69.3	....	88	20†	46	15	38	4.76	....	1.64	0	10	14	7	10	w.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	45	74.8	+3.9	94	19	55	2	31	3.10	−1.32	1.10	0	10	8	17	6	sw.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	72.9	+5.3	94	17	50	15	40	4.66	+1.13	2.14	0	6	13	4	14	w.	Paul F. Coy
Midland	Beaver	691	....	74.2	....	94	20	54	2	30	2.25	....	0.39	0	9	10	8	13	w.	Perry P. Campbell
New Castle	Lawrence	808	57	72.2	+1.8	93	21	50	2†	33	5.50	+2.02	1.53	0	14	15	9	7	sw.	New Castle Water Co
Newell	Fayette	800	17	71.2	−0.7	88	5†	53	14†	29	3.81	+0.17	0.85	0	10	14	6	11	ne.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	75.2	+2.3	93	20	59	2	30	2.52	−0.71	0.70	0	13	8	13	10	s.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	70.2	+3.1	91	29	46	15†	39	3.97	+0.55	0.96	0	10	10	10	11	s.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	69.6	+3.5	89	20	52	2†	28	5.71	+1.43	2.50	0	17	7	17	7	sw.	J. D. Beachy.
Sharon‡‡	Mercer	940	24	76.6	+6.0	97	17†	56	15†	36	6.35	+2.78	3.25	0	10	18	7	6	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	70	67.2	+0.1	86	19	44	2†	37	5.20	+0.29	1.95	0	15	5	13	13	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	75.5	+3.7	96	20	54	2	35	2.24	−2.47	0.72	0	11	16	9	6	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	75.0	+3.7	95	4†	53	2	34	5.71	+1.81	2.70	0	12	24	6	1	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	48	72.4	+4.7	89	6†	52	15	29	5.95	+2.20	1.50	0	13	12	9	10	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	75.4	....	94	17†	53	2†	38	1.97	....	0.61	0	7	7	14	10	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	74.3	+4.7	92	19	59	15	26	4.45	+1.18	1.36	0	11	14	10	7	n.	U. S. Weather Bureau.
For the State	......	......	50	73.5	+3.3	101	20	40	30	51	5.43	+1.17	6.50	0	12	13	9	9	sw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-9-30-37-1050.

Daily Precipitation for August, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh	...	...	...	...	...	...	1.15	.08	.13	.02	.20	1.16	.22	...	...	...	...	.01	...	.33	...	.38	2.00	.58	.05	T.	.14	.13	...	...	T.	6.58
Altoona	Juniata	.23	...	...	...	T.	...	T.	T.	...	.98	.04	.25	...	...	...	...	...	.10	...	...	...	1.42	...	.04	...	2.10	.04	...	...	...	...	5.20
Ansonia‖	W. Br. Susq	...	...	...	...	...	...	.04	.06	...	1.38	1.47	.13	.33	...	...	...	...	.66	...	...	...	.65	.15	...	...	15	2.57	.03	...	...	...	7.62
Ardmore‡	Lower Del	...	...	...	...	...	...	.60	.03	...	.39	.10	.15	...	...	...	...	T.	.87	...	...	1.32	.62	.85	.26	.07	.14	.07	...	T.	.07	...	5.04
Arendtsville	Lower Susq	...	...	.01	...	...	.04	.18	.08	...	...	.08	.20	...	...	...	...	...	.10	...	...	...	.55	...	.03	.20	.76	3.23	...	...	...	.04	5.50
Baker's Summit	Juniata	.14	...	...	...	...	...	...	...	.10	.14	.22	...	...	...	...	...	...	.47	...	.75	.33	1.42	.03	...	...	1.85	.25	...	...	...	...	5.70
Bedford	Juniata	.15	...	...	...	...	.77	.01	T.	T.	.58	...	T.	...	...	...	...	...	.12	...	.44	...	.77	T.	...	.09	1.59	...	T.	...	T.	...	4.52
Bellefonte	W. Br. Susq	...	...	...	.08	.03	...	1.16	.20	.03	1.17	.04	.51	.01	...	...	...	...	.39	...	...	.07	1.05	T.	...	...	1.57	.40	...	...	.89	...	7.63
Bethlehem	Lehigh	...	...	...	...	...	...	.30	.02	T.	.08	.16	.72	.28	...	...	...	...	.03	...	.10	...	.71	2.84	.25	.01	...	.39	...	...	T.	...	5.89
Big Knob	Middle Susq	...	...	...	...	...	...	.12	.33	.09	...	.16	1.20	.56	...	...	...	...	.26	...	1.48	...	.05	.05	.02	.01	.84	.56	...	...	...	...	7.78
Bloserville‡‡	Lower Susq	...	...	...	...	...	...	.32	T.	...	2.65	.05	1.22	...	...	...	...	.05	...	.22	.08	.05	.85	T.	.05	...	1.40	.05	...	...	...	...	6.99
Buffalo Mills‖	Juniata	.35	...	...	...	...	...	...	...	...	.07	.29	...	...	...	...	...	...	...	1.38	...	.09	.47	70	.13	...	1.39	47	...	...	...	...	5.34
Carlisle	Lower Susq	.07	...	...	...	...	T.	.79	T.	...	.46	...	1.70	...	...	...	...	...	.02	T.	.10	.04	2.04	T.	T.	.12	1.01	1.63	...	T.	T.	...	7.98
Catawissa	N. Br. Susq	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
Center Hall	Susquehanna	...	...	...	...	.09	...	.87	.12	.07	...	1.18	.65	...	...	...	...	...	.02	...	...	.11	1.43	.08	...	...	1.25	2.00	...	...	...	.22	8.09
Chambersburg	Potomac	...	...	...	...	.16	...	.20	.03	.04	...	.58	.14	...	...	...	...	...	.22	...	...	...	1.66	...	03	.12	1.74	.19	...	...	...	...	5.11
Clearfield	W. Br. Susq	...	...	...	...	T.	1.30	T.	T.	...	.80	.25	.27	.05	...	...	...	...	.30	.05	...	...	.30	.40	T.	...	1.80	...	...	...	...	...	5.52
Coatesville	Lower Del	...	...	...	...	...	...	.68	...	...	.07	...	.13	...	...	...	...	...	.06	...	...	.13	2.47	1.14	.74	.25	.05	.51	...	.01	.16	...	6.46
Colebrook	Lower Susq	.05	...	...	...	...	T.	.39	.02	.10	.07	.35	1.29	...	...	...	...	...	T.	T.	.07	.75	.61	1.13	.12	.03	.43	.07	...	...	T.	...	5.48
Conshohocken	Schuylkill	...	...	...	...	...	...	.64	...	.08	...	.06	.02	.39	...	...	...	...	.22	...	...	...	1.20	1.08	.13	.18	.08	T.	...	...	.06	...	4.14
Doylestown	Lower Del	...	...	...	...	...	...	.04	.02	.07	1.20	.30	.69	T.	...	...	...	...	...	...	.15	...	.62	.39	.30	T.	.01	.08	...	...	.12	...	3.99
Emporium	W. Br. Susq	...	...	...	...	...	.08	.81	...	...	1.15	.37	.37	...	...	...	...	...	.57	...	...	.19	.65	...	...	...	.57	.02	...	...	...	.04	4.82
Ephrata	Lower Susq	.06	...	...	...	...	...	1.26	...	.19	.40	.02	1.12	.16	...	...	...	...	...	...	T.	.02	1.07	1.21	.21	.08	.20	.26	...	...	...	...	6.26
Forest City	N. Br. Susq	...	...	T.	...	...	...	T.	.13	...	.03	.53	.65	...	...	...	...	...	.26	...	...	...	.52	.61	.04	...	...	.53	.42	...	...	...	3.72
Freeland‖	Lehigh	.09	...	.03	...	...	...	...	.88	.15	.03	.60	.48	.10	...	...	...	...	.22	...	.07	...	.18	2.22	.16	.03	...	.90	.46	...	T.	...	6.60
Galeton	N. Br. Susq	...	...	...	...	...	...	.60	.02	...	1.37	.42	.03	...	...	...	...	...	.12	...	...	.81	1.10	.03	...	...	1.30	.17	...	...	...	T.	5.97
eorge School	Lower Del	...	T.	...	...	...	...	.32	T.	.10	...	.07	.35	.93	...	...	...	...	.05	...	...	...	1.35	.37	.29	.04	.20	.12	...	.12	.02	...	4.33
ettysburg	Potomac	...	...	...	...	T.	.70	.82	.01	T.	T.	T.	.27	.01	...	...	...	...	...	...	...	.09	.14	.80	.06	.33	.88	.18	...	...	T.	T	4.29
irardville‖	Lower Susq	...	...	...	.04	...	...	.43	.37	.41	.46	.21	.10	...	...	...	...	.08	...	T.	...	.38	1.16	.02	T.	...	1.26	.03	...	...	...	...	4.95
ordon	Lower Susq	...	.08	...	...	...	...	.52	1.48	.07	.03	.71	.26	...	...	...	...	...	.02	...	.02	.02	1.76	.21	...	...	.31	.84	...	...	...	...	6.33
Gouldsboro‡‡	Lehigh	...	...	...	...	...	...	.10	.30	...	.12	.50	.12	...	...	...	...	...	.57	...	.10	...	1.10	1.67	...	...	...	...	.60	...	...	...	5.18
Graterford	Schuylkill	...	...	...	...	...	...	.87	.91	...	.32	.11	...	.17	...	...	...	...	.31	...	...	...	.48	.34	.21	.14	.06	.61	...	.19	T	...	4.72
Hamburg	Schuylkill	.09	...	...	...	.01	...	1.62	...	.05	.01	1.08	1.26	.05	...	...	...	...	...	...	.53	...	1.04	1.08	.03	.01	.08	.34	...	...	.38	...	7.66
Hanover	Lower Susq	...	...	...	...	...	...	.21	T.	...	.04	...	.12	.07	...	...	...	...	.13	...	...	1.37	1.07	.54	.08	.37	.92	.16	...	...	.01	.01	5.10
Harrisburg***	Lower Susq	...	...	...	...	...	T.	1.65	T.	.05	.18	.52	1.71	...	...	...	...	...	.01	.02	T.	1.15	.31	.05	.01	.03	.55	T.	...	...	...	...	6.24
Hawley‖	Upper Del	...	...	.02	...	...	...	.03	.04	...	.27	.95	.14	...	...	...	...	...	.31	...	...	...	.07	1.73	.06	...	...	.35	1.33	...	.01	...	5.31
Hollisterville	Upper Del	...	...	...	...	...	.03	.12	.08	...	.28	.90	.50	...	...	...	...	...	.19	...	.06	...	.08	1.50	.08	...	...	.28	.61	...	.01	...	4.72
Holtwood‡‡	Lower Susq	.01	...	...	...	...	...	.04	1.18	.05	.11	...	...	.19	...	...	...	...	...	...	...	...	.47	2.65	.12	.33	.12	1.42	.03	...	.04	.02	6.78
Huntingdon	Juniata	...	...	...	...	.59	...	.65	T.	.04	1.45	.08	.40	...	...	...	...	...	.25	T	T.	T.	2.13	...	...	...	1.03	...	...	...	...	...	6.62
Hyndman	Potomac	...	...	...	...	...	...	...	...	...	.18	.40	...	...	...	...	...	...	.22	...	.55	...	1.64	...	.03	.51	1.50	...	...	...	...	...	5.03
Kylertown	W. B. Susq	...	...	...	...	T.	.01	.17	.04	T.	1.12	.33	.12	.02	...	...	...	...	.49	.02	...	.21	.50	T.	T.	...	2.20	.06	...	...	.10	T.	5.39
akeville‖	Upper Del	...	...	...	...	...	...	.02	.23	.01	.32	.57	.14	.02	...	...	...	...	.24	...	.05	...	.03	2.02	T.	...	...	.35	.58	.03	...	...	4.61
ancaster	Lower Susq	.02	...	...	...	...	...	1.50	...	...	.75	...	1.24	.60	...	...	...	...	...	...	...	...	3.69	1.23	.12	.24	.42	.76	...	...	.01	...	10.58
ansford‖	Lehigh	.05	...	T.	...	...	...	.29	.47	.28	.86	.70	1.28	.34	...	...	...	...	.10	...	...	...	*	2.50	.12	...	...	.30	.05	...	...	...	7.34
awrenceville	N. Br. Susq	...	...	...	...	...	...	T	...	...	1.95	.40	.25	...	...	...	...	...	.25	...	.65	.12	.95	...	...	...	1.50	4.80	...	...	...	.42	11.29
ebanon	Lower Susq	...	...	...	...	T.	T	.20	04	.01	T.	.22	1.12	...	T.	...	...	T.	...	1.05	...	.60	2.45	.02	T.	.15	.28	T	...	...	T	...	6.14
ehighton‖	Lehigh	...	.05	...	...	...	...	.42	.33	1.13	...	1.19	1.32	.51	...	...	...	...	...	.17	...	...	.91	2.51	.06	.01	T.	.31	T.	...	.06	T.	8.98
ock Haven	W. Br. Susq	...	...	...	...	...	.06	.91	.05	...	.01	1.45	.45	.22	...	...	...	...	.10	...	.68	.29	1.49	...	...	...	1.06	.87	...	...	...	...	7.64
Marcus Hook	Lower Del	...	...	...	...	...	...	*	*	2.56	T.	*	.19	.68	...	...	...	...	.60	...	...	...	*	*	*	*	2.77	1.01	...	*	.11	...	7.92
Matamoras‖	Upper Del	...	...	...	...	...	...	...	...	.16	...	.64	.94	.06	...	...	...	...	.12	...	...	...	.27	1.84	...	...	...	.27	.59	...	...	...	4.89
Mauch Chunk	Lehigh	T.	...	...	...	...	...	1.40	.15	T.	T.	1.52	.30	...	...	...	...	...	.10	...	...	.35	1.65	.90	T.	T.	T	.34	...	...	T.	...	6.71
Mifflintown	Juniata	...	...	...	...	...	...	.55	...	.05	...	.47	.56	.22	...	...	...	...	...	...	...	...	.88	...	...	...	2.00	.05	...	...	...	...	4.78
Montrose	N. Br. Susq	...	...	...	...	...	...	.20	1.38	.18	...	.91	.27	.13	...	...	...	...	.66	...	.27	.15	.40	.05	...	...	.10	1.96	...	...	...	...	6.66
Morris Run	N. Br. Susq	...	...	...	...	...	...	1.77	...	...	2.42	1.28	.86	...	...	...	...	...	.07	...	...	.12	.33	...	.06	...	1.02	2.17	...	...	...	...	10.10
Mount Pocono	Upper Del	...	1.40	...	...	...	...	1.50	...	...	...	.10	...	...	...	...	...	...	.53	.03	...	...	3.25	...	.20	...	1.00	.10	1.20	...	...	...	9.31
Muncy Valley	W. Br. Susq	T.	...	...	...	...	...	1.32	T	T.	...	2.05	.66	...	...	...	...	...	.57	.20	1.09	.40	.47	T.	T.	...	.23	.63	...	...	...	...	7.62
eshaminy Falls‖	Lower Del	...	T.	...	...	...	...	.32	.24	.01	...	.08	.90	...	...	...	...	...	.27	...	...	.79	.91	.43	.22	.03	.19	.36	...	.03	...	...	4.78
New Bloomfield	Juniata	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
ew Park	Lower Susq	...	...	...	...	...	...	.72	...	...	...	...	.05	.06	...	...	...	.11	...	...	...	...	1.49	.11	.27	.35	1.00	.33	...	...	.12	...	4.61
ewport‖	Juniata	.40	...	...	...	.04	...	.35	.22	.17	...	.73	.10	.40	...	...	...	...	.05	...	.15	...	.03	1.56	...	...	.20	1.55	...	...	...	...	5.95
almerton‡	Lehigh	.02	...	...	...	...	.30	.48	.08	T.	.25	1.56	.23	...	T.	T.	T.	T.	.06	...	...	.03	1.00	1.06	.02	...	.01	.24	T.	T.	...	T.	5.34
aupack‖	Upper Del	...	...	...	...	...	*	.08	.08	...	.24	1.86	.30	03	...	...	...	...	...	...	.05	...	...	2.10	.05	...	*	.38	.80	...	...	...	5.97
hiladelphia***	Lower Del	...	...	...	...	...	...	.59	.06	...	...	.09	.35	T	...	...	...	...	.17	...	...	.95	.56	.83	.26	.05	.10	T.	...	T.	.09	...	4 10
hila. Navy Yard‡	Lower Del	...	...	...	...	...	...	*	*	...	...	.36	.53	...	...	...	...	...	.81	...	...	*	*	.77	.28	.14	.11	.07	...	...	.10	...	3.17
hila-P'nt Breeze‡	Lower Del	...	...	...	...	...	T.	*	1.00	...	...	.39	.52	...	...	...	...	...	.55	...	...	.60	1.00	.65	1.04	.21	.07	T.	...	T.	.10	...	6.13
hoenixville	Schuylkill	...	...	.06	...	...	...	.38	.02	.16	.19	.02	.05	.17	...	...	...	...	.21	...	.06	...	.89	.63	.38	.38	T.	.22	.07	...	.02	...	3.91
ine Grove	Lower Susq	...	...	...	...	...	...	1 30	...	...	.65	.80	.22	...	...	...	...	...	.07	.07	...	.30	1.50	.10	.02	T.	.56	.08	...	.04	...	...	5.71
leasant Mt.‖	Upper Del	...	...	...	...	...	...	.24	.03	...	.50	...	.90	.43	...	...	...	.19	...	...	...	...	.96	.57	...	.05	...	1.08	...	...	.02	...	4.97
ottstown	Schuylkill	T.	...	...	...	...	.01	.55	.15	T.	...	1 79	.44	...	...	...	...	...	.01	.08	...	.25	.27	.85	.15	T.	.05	.60	...	.02	T.	T.	5.22
Pottsville	Schuylkill	.68	...	...	...	...	...	.80	...	.10	...	1.81	.50	.12	...	...	...	...	.04	...	T	.33	1.45	.55	.02	...	.25	.42	...	...	...	...	7.07
uakertown	Lower Del	...	...	...	...	...	...	.64	...	.38	.32	.46	1.33	.17	...	...	...	...	...	T.	.09	.38	3.98	1.01	33	.07	.02	.17	...	.03	...	...	9.38
eading***	Schuylkill	T.	...	...	...	...	T.	.57	.15	T.	...	1.83	.44	...	...	...	...	...	T.	.09	...	.22	.29	.82	.16	T.	.06	.59	...	.01	T.	T	5.28
enovo‖	W. Br. Susq	...	...	...	...	...	...	.17	.70	...	.68	.56	.45	.44	...	...	...	...	.54	...	...	.32	.32	.62	...	...	.30	1.32	...	...	...	...	6.42
etreat	N. Br. Susq	.01	...	...	...	...	.04	.67	.02	.04	.08	.82	.09	...	...	...	...	.20	.20	.56	...	.14	1.17	02	...	...	.39	...	...	...	...	...	4.45
Scranton***	N. Br. Susq	...	...	...	...	...	T.	.30	.11	.57	.26	1.27	.05	...	...	...	...	.17	.02	T.	T.	.12	.80	.01	.01	...	.03	.71	...	T.	...	...	6.43
Selinsgrove	Lower Susq	...	...	...	...	...	...	.03	.05	...	...	.90	.25	...	...	...	...	...	.57	.05	...	.20	.92	.14	.01	...	.74	.32	...	...	...	...	4.18
Shawmont	Schuylkill	...	...	...	...	...	...	.39	T	.06	T.	.21	.01	.12	...	...	...	...	.32	...	...	...	2.11	.48	.25	.27	.07	.11	.01	.02	.05	...	4 48
Shippensburg	Lower Susq	.03	...	...	...	...	...	.68	.27	T	...	1.00	.62	.05	...	...	...	...	...	...	.30	.08	1.40	...	.19	...	1.50	.02	...	...	...	...	6.14
State College	W. Br. Susq	...	...	...	T.	T.	T.	.25	.18	.06	1.60	.07	.31	.02	...	...	...	...	.16	T.	...	.14	1 51	...	...	...	1.03	.53	...	...	...	...	5.86
Stroudsburg‖	Upper Del	...	...	...	...	...	...	.25	.20	...	...	1.10	.40	...	...	...	...	...	85	...	...	...	*	*	3 50	...	...	...	...	...	...	...	6.30
Sunbury‖	Lower Susq	T.	...	...	...	...	...	.04	.27	T	T	.26	.47	.21	...	...	...	...	.68	...	T.	T.	.32	.82	T.	...	T.	.77	...	...	...	...	3.84
Susquehanna‖	N. Br. Susq	...	T.	...	...	...	...	.06	.06	.74	.03	.56	.21	1.07	...	...	...	...	.06	...	...	...	.78	20	.02	...	T.	.97	.37	...	...	.08	5.21
Towanda	N. Br. Susq	...	...	...	...	...	...	.43	.10	...	.09	.69	.27	...	...	...	...	T	.07	...	T.	.64	.46	T.	...	...	.15	1.15	...	...	...	...	4.05
Weikert	Lower Susq	...	...	...	...	...	...	.95	...	.15	...	1.20	.28	...	...	...	...	...	...	20	...	1.10	.85	.06	...	...	1.24	1.50	...	...	...	...	7.53
Wellsboro	N. Br. Susq	.08	...	...	...	...	...	.31	.02	T.	1.61	.28	.15	...	...	...	...	...	...	...	...	.60	.38	...	...	...	.89	6.50	...	...	...	...	10.82
West Chester	Lower Del	...	...	...	...	...	...	.47	.22	.01	.02	.65	.17	.01	...	...	...	...	.27	...	...	...	1.73	.85	.73	.74	.01	1.15	...	...	.22	...	7.25
estgrove‖	Lower Del	.03	...	...	...	...	...	...	2.83	.05	...	.07	.06	.41	.02	...	...	...	.19	...	...	...	1.26	3 37	.06	.63	.07	.53	02	...	.07	.48	10.15
ilkes-Barre‖	N. Br. Susq	T.	...	...	...	...	...	.25	.64	T.	.56	.90	.46	.63	...	...	...	...	.51	...	.61	...	.18	1.30	.02	...	...	.34	.22	...	...	...	6.62
illiamsport‖	W. Br. Susq	.05	...	.05	...	...	...	.60	.50	.01	T.	2.60	.18	.29	...	...	...	...	.32	...	...	...	.48	.56	T.	...	.05	1.71	...	...	...	...	7.40
Williamstown	Lower Susq	1.43	...	...	...	...	T.	1.77	...	.05	T	1.10	.17	.10	...	...	...	...	.01	...	.04	13	1.40	.10	...	.02	.37	2.00	...	...	...	...	8.69
York	Lower Susq	...	...	...	...	...	...	1.24	...	...	.08	.42	.06	.06	...	...	...	...	...	...	...	.08	2.87	1.03	.08	.29	.38	.16	...	...	.09	...	6.84
York Haven‖	Lower Susq	.01	...	...	...	...	...	.08	.90	1 25	...	*	.22	1.11	...	...	...	...	...	...	...	.05	.80	2.48	.08	.20	.16	.30	...	...	...	...	7.64
onsville..(near).	Schuylkill	...	...	...	...	...	...	1.45	T.	T.	.15	...	1.03	.31	...	...	...	...	.13	...	.23	3.25	.68	.32	.31	.03	T	.25	...	T.	.14	...	8 28
Trenton, N. J***	Lower Del	...	.02	...	...	...	...	.46	.11	...	T.	.80	.72	T.	...	...	...	...	.01	...	...	1.13	.66	.39	.38	T.	.36	.05	...	.03	T	...	5.12

Continued on page 39.

Daily Precipitation for August, 1937—Continued from page 38

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	T.	....	....	....	....	....	.63	.07	.11	1.12	.21	T.	.25	....	....	....	....	T.	....	....	....	.51	T	....	....	T.	.20	....	....	....	....	3.10
Blairsville	Allegheny	....	....	....	....	....	....	.78	....	.17	.04	.37	1.18	....	....	....	....	....	.22	....	....	....	.69	.03	....	....	1.09	.41	....	....	....	....	4.98
Bradford	Allegheny	....	....	....	....	....	1.09	.37	T.	....	2.26	.37	.90	.03	....	....	....	....	.18	T.	....	.35	.11	....	....	....	T	....	....	....	....	....	5.66
Brookville‖‖	Allegheny	....	....	....	....	....	....	.52	.01	.04	.25	.48	.11	.16	....	....	....	....	.45	....	.02	....	1.18	.02	....	.14	.14	T.	....	....	....	....	3.52
Butler	Ohio	....	....	....	....	....	.46	....	.03	1.80	....	....	.23	....	....	....	....	....	.41	....	....	1.09	....	....	....	....	.10	....	....	....	....	....	4.12
Chambersville	Allegheny	....	....	....	....	....	.19	.04	.37	....	.30	.32	....	....	....	....	....	....	.43	.77	.01	.33	.74	....	....	....	.78	.07	....	....	....	....	4.22
Clairton‡	Monongahela	....	....	....	....	....	.18	.93	.30	T.	.50	....	....	....	....	....	....	....	.02	.03	....	.27	....	.06	....	.04	.45	.06	....	....	....	....	2.84
Clarion	Allegheny	....	....	....	....	....	.98	.37	.33	.11	.77	....	....	....	....	....	....	....	.32	....	.12	....	.95	.10	....	....	.28	.01	....	....	....	....	4.34
Claysville	Ohio	....	....	....	....	T.	T.	.84	....	....	.04	....	T.	....	....	....	....	....	.33	....	.03	T.	.14	....	....	....	.02	.02	....	....	....	....	1.42
Confluence‖‖	Youghiogheny	.18	....	....	....	....	.23	.13	.08	....	....	....	....	.19	....	....	....	....	....	.13	....	....	.11	.18	....	.50	1.72	.52	....	....	....	....	3.97
Connellsville	Monongahela	....	....	....	....	....	....	.04	.31	.19	T.	.77	.01	....	....	....	....	....	....	.22	....	....	.82	.12	....	.01	.93	.71	....	....	....	T.	4.13
Corry	Allegheny	....	....	....	....	....	2.25	.55	.08	....	2.66	.05	.44	....	....	....	....	....	.33	.20	....	.18	....	....	....	....	.03	....	....	....	....	....	6.77
Coudersport	Allegheny	....	....	....	....	....	.15	.08	....	.03	1.90	.59	.20	....	....	....	....	.25	.49	.09	....	1.12	1.20	.03	....	....	.34	.02	....	....	....	....	6.49
Derry	Conemaugh	....	....	....	....	....	.04	.23	.06	....	.70	.07	....	....	....	....	....	....	.18	T	....	.17	.32	....	....	....	1.17	.05	....	....	....	....	2.99
Donora‖‖	Monongahela	....	....	....	....	....	....	.65	.11	.60	.46	.57	.04	....	....	T.	....	....	....	....	....	.03	.28	.32	....	....	.17	.02	....	....	....	....	3.25
Du Bois	Allegheny	....	....	....	....	....	.58	.10	T.	T.	.50	.30	.01	T.	....	....	....	....	.91	T.	....	.69	.84	T.	T.	....	.74	.05	....	....	....	....	4.72
Ebensburg	Conemaugh	....	....	....	....	....	....	.02	.03	.02	.03	.26	.46	1.70	.34	....	....	....	....	.08	....	....	1.05	.05	....	....	1.30	.86	....	....	....	....	6.19
Franklin‖‖	Allegheny	....	....	....	....	....	....	.80	....	.07	.61	.24	....	.19	....	....	....	....	1.09	....	.06	....	1.10	....	....	....	....	.11	....	....	....	....	4.27
Greensboro‖‖	Monongahela	1.15	....	....	....	....	....	.16	.14	.01	....	.10	T.	T.	....	....	....	....	....	....	....	....	.20	.21	....	.83	.23	.22	.16	....	....	....	3.41
Greensburg	Youghiogheny	....	....	....	....	....	T.	.04	....	.70	.33	.24	T.	T.	....	....	....	....	.04	.13	....	.52	.28	....	....	....	.72	.05	....	....	T.	....	3.05
Greenville	Beaver	....	....	....	....	T.	T.	.72	T.	.04	1.05	T.	T.	....	....	....	....	....	.95	....	....	.50	.40	....	....	....	.01	....	....	....	....	....	3.67
Grove City	Beaver	....	....	....	....	....	....	.61	.30	.51	1.72	.30	.52	....	....	....	....	....	.47	T.	....	.63	.03	....	....	....	....	T.	....	....	....	....	5.09
Herrs Isl. Dam‖‖	Ohio	....	....	....	....	.02	T.	1.35	.22	.02	T.	.32	....	....	....	....	....	....	T.	.37	.02	....	.31	T.	....	....	.02	.02	....	....	....	.15	2.82
Irwin	Monongahela	....	....	....	....	....	....	.70	.15	.16	.50	.54	.06	....	....	....	....	....	....	.05	....	.77	.22	....	....	....	.13	.50	....	....	....	....	3.78
Johnstown	Conemaugh	....	....	....	....	.20	.95	.04	.03	.27	T	....	.05	....	....	....	....	....	....	.04	....	.11	.96	....	....	....	1.77	....	....	....	....	....	4.42
Kane (near) ‡‡	Allegheny	....	....	....	....	....	....	.58	....	.05	1.14	.50	.19	....	....	....	....	....	.45	....	....	.90	.46	....	....	....	.09	....	....	....	....	.40	4.76
Kregar‖‖	Youghiogheny	....	....	....	....	....	.12	.40	.21	.06	.42	.03	.06	....	....	....	....	....	T.	....	....	2.31	.09	....	....	1.08	1.33	....	....	....	T.	....	6.11
Lake Lynn‖‖	Monongahela	.48	....	....	....	....	....	.07	.55	.04	.03	.03	.44	....	.02	....	....	....	....	....	....	....	.10	.53	....	1.32	.40	.28	.10	....	....	....	4.39
Linesville‖‖	Beaver	....	....	....	....	....	....	.28	T.	.05	.28	.60	.35	....	....	....	....	....	.86	....	....	....	.08	....	....	....	....	T.	....	.02	....	....	2.52
Lock No 2‖‖	Ohio	....	....	....	....	....	....	2.21	.07	....	.16	.67	....	.03	....	....	....	....	....	.30	....	....	1.10	....	....	....	....	.05	....	....	....	....	4.59
Lock No. 4‖‖	Monongahela	....	....	....	....	T	....	.40	.28	.25	....	.75	T.	....	....	....	....	....	....	.01	....	....	.24	.78	....	....	.15	.07	....	....	....	.01	2.94
Lock No. 5‡‡‖‖	Allegheny	....	....	....	....	T.	.01	.76	.32	.18	T.	1.77	....	....	....	....	....	....	.02	.38	.08	....	1.67	.02	....	....	.07	.06	....	....	....	....	5.34
Lycippus	Conemaugh	....	....	....	....	....	T.	.05	T.	....	.35	.03	.03	....	....	....	....	....	.06	....	....	.25	.56	.02	T.	1.10	....	.65	....	....	....	....	3.10
McKeesport‖‖	Monongahela	....	....	....	....	....	....	.88	.80	.23	....	.60	....	....	....	....	....	....	....	....	T.	....	.26	....	....	....	.15	.41	....	....	....	.29	3.62
Meadville	Allegheny	....	....	....	....	....	....	.62	.17	....	2.14	T.	.41	....	....	....	....	....	....	....	....	1.27	....	....	....	....	....	.05	....	....	....	....	4.66
Midland	Ohio	....	....	....	....	....	....	.39	.30	.02	.11	.24	....	....	....	....	....	....	.26	....	....	.74	.16	....	....	....	.03	T.	....	....	....	....	2.25
Mosgrove‖‖	Allegheny	....	....	....	....	T.	....	.19	.02	.08	....	2.20	....	.03	....	....	....	....	.40	....	....	....	.92	.01	....	....	.06	.07	....	....	....	....	3.98
Mount Lebanon	Ohio	....	....	....	T.	....	.31	.12	.08	T	.26	T.	....	....	....	....	....	....	.93	....	....	.10	.78	....	....	T.	.08	.08	....	....	.03	....	2.77
Natrona‖‖	Allegheny	....	....	....	....	....	....	.69	.70	.28	T.	3.29	....	....	....	....	....	....	T.	.20	....	....	1.74	.02	....	....	.04	.01	....	....	....	....	6.97
New Castle‖‖	Beaver	....	....	T.	....	T.	....	1.50	.15	.10	1.53	.04	.64	.01	....	....	....	T.	.80	....	....	....	.64	....	.01	.01	T.	.03	.02	T.	.02	T	5.50
Newell	Monongahela	....	....	....	....	....	....	.85	.12	.44	.52	.64	.17	....	....	....	....	....	....	....	....	....	.40	.25	....	....	.17	.25	....	....	....	....	3.81
Parkers Landing‖‖	Allegheny	....	....	....	....	....	....	1.33	....	.35	.78	1.34	.08	.10	....	....	....	....	.92	....	.25	....	1.32	....	....	....	.24	T.	....	....	....	....	6.71
Pennline‖‖‡‡	Beaver	....	....	....	....	....	....	.50	.43	.38	.27	.10	.04	....	....	....	....	....	.73	....	....	....	.05	....	....	....	....	.05	....	....	....	....	2.55
Pittsburgh***	Ohio	....	....	....	.02	....	.49	.26	.55	T	.67	T.	T.	....	....	....	....	....	.02	.01	....	.10	.10	....	....	.02	.08	.02	....	....	.08	....	2.52
Punxsutawney‖‖	Allegheny	....	....	....	....	....	....	.04	....	.18	.75	.68	.44	.13	....	....	....	....	.45	....	.09	....	.94	.28	....	....	.42	.52	....	....	....	....	4.92
Ridgway	Allegheny	....	....	....	....	....	....	.96	.01	....	.69	.80	.22	.10	....	....	....	....	.18	....	.04	....	.95	T.	....	....	T.	.02	....	....	....	....	3.97
Salisbury (near)	Youghiogheny	....	....	....	....	.15	.02	.52	.03	.03	86	T.	.12	09	....	....	....	....	T.	....	.01	.17	.77	.04	.16	....	2.50	16	....	....	.03	.05	5.71
Saltsburg‖‖	Conemaugh	....	....	....	....	....	....	.33	.67	.26	T.	3.07	T.	.01	....	....	....	....	....	....	.03	....	1.33	.04	....	....	.39	.16	....	....	....	....	6.29
Sharon‖‖	Beaver	....	....	....	....	....	*	3.25	....	.31	.58	.29	.17	.08	....	....	....	.55	....	....	....	*	1.12	....	....	....	....	....	....	....	....	....	6.35
Smethport‖‖	Allegheny	....	....	....	....	....	....	1.30	.25	....	.64	.30	....	....	....	....	....	....	....	....	.05	....	.25	.15	....	....	....	....	....	....	....	....	2.94
Somerset	Youghiogheny	....	....	....	....	....	.02	.06	....	.66	.18	.40	.18	....	....	....	....	....	....	....	.01	.05	.64	.01	.03	.07	1.95	.09	....	....	....	.85	5.20
Springdale‖‖‡‡	Allegheny	....	....	....	....	....	....	2.08	.38	.10	....	.71	.33	....	....	....	....	....	....	....	....	....	.84	.03	....	....	.06	.02	....	....	....	.26	4.81
Uniontown	Monongahela	....	....	....	....	....	.05	.23	.03	T.	....	.05	....	....	....	....	....	....	....	....	....	....	.45	.16	.02	.13	.72	.39	....	....	.01	....	2.24
Unity Reservoir‡‡	Youghiogheny	....	....	....	....	....	T.	.22	T.	.43	.21	.05	T.	....	....	....	....	....	.02	.04	....	.60	.35	....	....	....	.97	.15	....	....	....	....	5.04
Vandergrift‡	Conemaugh	....	....	....	.04	....	.45	.67	.10	....	1.01	....	....	....	....	....	....	.01	.02	....	....	2.70	.30	....	....	.06	.32	.03	....	....	....	....	5.71
Warren	Allegheny	....	....	....	....	....	1.50	.50	.08	.04	1.00	.32	....	.25	....	....	....	....	.76	.10	.56	.66	.10	....	....	....	....	.08	....	....	....	....	5.95
Waynesburg	Monongahela	....	....	....	....	....	....	.28	....	....	.33	.21	....	....	....	....	....	....	....	.40	....	....	.61	.08	....	....	....	.06	....	....	....	....	1.97
Westford‖‖	Beaver	....	....	....	....	....	.75	.16	.14	1.00	.85	.02	.20	....	....	....	....	.43	....	....	....	.48	....	....	....	....	.05	....	....	....	....	....	4.08
West Newton‖‖	Youghiogheny	....	....	....	....	....	....	.25	.07	.34	.02	1.99	.25	....	....	....	....	....	.05	....	....	....	2.07	.54	....	....	.12	.22	....	....	....	....	5.92
Lake Drainage.																																	
Erie***	Lake Erie	....	....	....	T.	....	1.09	.27	T.	.27	.62	.20	.86	....	....	....	....	.93	....	.11	.03	.06	....	T.	....	....	.01	T.	....	....	....	....	4.45

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville: of Unity Reservoir, Greensburg: of Girardville, Shenandoah: of Kane, Wilcox: of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	30.05	30.30	15	29.75	12	9.2	30	sw.	19	79	64	71	61
Harrisburg	30.05	30.31	15	29.75	12	5.6	21	sw.	10	86	65	70	68
Philadelphia	30.08	30.33	15	29 82	12	10.8	44	sw.	11	83	62	70	58
Pittsburgh	30.06	30.31	15	29.81	12	7.7	26	n.	21	85	55	66	71
Reading	30.06	30.33	15	29.77	12	7.5	35	w.	19	83	62	72	55
Scranton	30.07	30.34	15	29.76	12	4.9	25	nw.	21	84	60	67	61

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	2.5	4.2	29	1.5	9	18
Easton	Delaware	2.3	5.4	24	0.7	10	22
Lehighton	Lehigh	2.9	4.6	23	2.3	6	9
Wilkes-Barre	Susquehanna	3.7	13.4	28	1.9	7	20
Williamsport	Susquehanna	2.3	8.2	28	0.6	6	20
Harrisburg	Susquehanna	4.1	6.9	30	3.3	5	18
Greensboro	Monongahela	11.7	19.0	26	9.9	6	30
West Newton	Youghiogheny	0.5	4.8	27	0.0	6	20
Lock No. 4	Monongahela	11.6	17.7	27	10.5	6	30
Pittsburgh	Ohio	.....	16.0*	27	10.2*	3	25
Midland	Ohio	......	13.9	28	9.3*	4	30

* —Pool stage.

Daily Temperatures for August, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	80	82	86	88	89	86	84	80	81	84	83	81	80	82	83	86	90	88	91	92	92	77	66	64	70	69	81	85	81	84	86	82.3
	Minimum	53	53	50	58	58	65	65	60	66	66	65	60	62	52	53	53	58	65	63	69	68	66	60	59	62	65	66	58	59	63	59	60.6
Bedford	Maximum	86	84	90	94	95	90	89	86	88	90	86	89	82	85	87	90	95	92	95	95	92	82	72	67	70	76	82	86	83	81	88	86.0
	Minimum	52	50	53	58	60	67	67	60	65	65	66	61	64	50	51	50	55	67	65	66	68	67	62	60	62	65	65	61	65	60	65	61.0
Bethlehem	Maximum	87	87	88	89	91	94	93	90	90	90	86	87	85	87	87	93	92	92	95	98	96	93	60	63	78	78	82	88	87	83	94	87.2
	Minimum	63	64	64	63	68	72	70	72	68	72	70	66	67	62	56	60	66	72	70	72	74	60	55	58	61	66	69	62	64	70	69	66.0
Brookville	Maximum	80	83	86	90	87	89	82	82	71	84	82	83	79	81	85	89	92	89	90	91	91	73	71	68	78	73	88	87	86	88	89	83.5
	Minimum	49	46	48	52	61	60	62	61	63	65	67	59	57	46	44	48	53	63	64	61	61	67	66	60	60	62	63	54	54	56	58	57.7
Butler	Maximum	90	89	91	92	91	89	86	86	85	85	87	85	81	85	90	90	92	92	90	94	92	78	75	73	75	80	85	88	90	90	92	86.7
	Minimum	50	50	56	57	66	63	66	56	60	66	65	62	56	54	53	52	41	67	67	68	68	65	65	51	56	65	64	55	55	55	65	59.3
Carlisle	Maximum	85	85	90	90	90	93	85	89	85	89	88	90	89	85	87	90	92	90	94	96	95	88	72	66	74	75	85	85	84	82	90	86.4
	Minimum	60	58	58	59	65	65	72	70	65	68	68	70	65	55	54	55	58	68	68	70	70	70	59	61	62	67	68	61	61	65	67	63.9
Chambersburg	Maximum	86	86	89	91	94	91	89	88	89	89	90	89	84	83	88	90	95	91	96	98	97	85	73	68	71	79	83	88	87	77	91	86.9
	Minimum	59	58	58	61	65	68	73	68	65	69	67	67	66	54	56	57	60	72	67	69	70	71	60	62	62	64	67	59	65	67	65	64.2
Chambersville	Maximum	81	84	87	89	90	89	82	81	84	82	87	84	80	82	85	89	91	92	90	92	89	76	69	71	76	72	83	85	84	87	90	84.0
	Minimum	53	57	52	58	65	65	64	63	64	67	67	61	62	53	49	51	51	63	60	65	63	65	62	59	59	63	65	55	51	58	60	59.7
Claysville	Maximum	87	87	94	94	90	91	88	87	88	84	87	84	85	88	91	94	94	93	93	94	90	84	80	76	79	77	88	91	89	87	94	88.0
	Minimum	57	49	52	56	68	65	66	64	67	68	68	63	63	52	52	53	60	68	68	68	68	68	64	62	61	66	68	56	56	63	61	61.9
Clearfield	Maximum	84	82	91	90	90	91	84	84	86	88	84	84	82	85	88	87	95	92	91	94	91	87	86	81	86	75	82	88	86	89	93	87.0
	Minimum	62	60	50	65	52	60	60	65	66	71	60	60	61	60	48	52	65	60	66	65	68	64	60	65	60	62	63	55	59	65	62	60.9
Coatesville	Maximum	85	87	86	89	90	93	82	90	92	90	86	90	71	82	85	89	91	91	94	97	97	84	67	63	74	76	84	87	78	78	89	85.1
	Minimum	61	61	62	60	67	68	70	69	65	70	73	66	66	62	54	56	60	69	69	71	73	66	56	59	61	65	67	61	64	69	66	64.7
Corry	Maximum	76	84	84	83	85	83	85	87	83	82	86	80	81	82	89	90	91	90	92	93	87	77	72	77	86	80	87	90	87	89	92	84.8
	Minimum	47	48	50	56	61	64	63	60	64	64	63	62	58	49	45	54	60	64	64	65	67	62	59	57	51	56	61	54	55	54	62	58.9
Emporium	Maximum	83	84	87	90	90	87	82	83	84	83	83	85	80	83	86	88	91	88	88	91	87	71	72	70	78	73	85	87	87	86	89	83.9
	Minimum	51	51	54	55	61	65	64	63	64	67	67	63	59	52	49	58	58	59	64	65	66	65	63	62	58	61	64	57	60	60	66	60.4
Erie*	Maximum	76	78	83	88	85	86	79	81	82	77	83	77	78	75	85	89	91	79	92	90	82	70	74	76	79	78	83	81	87	87	84	81.8
	Minimum	61	63	63	67	70	68	70	66	70	68	68	67	67	61	59	68	68	70	72	75	70	63	61	64	62	67	68	66	69	68	71	66.8
Franklin‡	Maximum	79	82	87	83	84	87	80	81	82	81	84	79	80	81	87	88	91	89	89	92	87	73	72	70	78	78	85	89	85	85	88	83.1
	Minimum	52	52	52	55	57	64	65	63	64	66	67	62	59	53	50	51	54	61	66	67	68	67	64	61	60	60	63	58	58	57	58	59.8
Freeland	Maximum	78	77	84	81	83	83	79	78	79	79	74	79	78	74	79	82	82	81	84	88	88	79	61	61	70	68	73	79	76	79	84	78.1
	Minimum	55	57	56	64	65	66	64	66	63	68	64	61	63	54	55	62	63	65	68	69	71	61	51	55	59	66	65	62	62	65	65	62.3
Gettysburg	Maximum	84	84	89	87	90	89	83	89	87	86	85	87	84	85	87	88	93	93	96	97	95	90	74	65	71	77	82	88	83	78	91	85.7
	Minimum	60	62	61	61	69	70	71	65	67	70	72	57	65	58	58	58	59	72	73	70	69	71	59	62	62	67	58	64	65	68	67	64.8
Greensburg	Maximum	82	83	89	91	91	89	82	85	85	84	85	82	80	82	86	89	92	89	91	93	88	81	77	74	77	74	82	87	85	86	88	84.8
	Minimum	50	55	58	65	70	70	61	64	67	68	69	66	65	55	56	57	62	68	68	70	69	60	65	61	62	66	68	61	61	63	63	63.3
Grove City	Maximum	77	84	85	83	83	81	75	77	78	78	74	75	78	85	83	86	86	83	88	88	88	71	68	68	73	72	82	82	80	81	84	79.9
	Minimum	55	52	56	62	57	65	64	62	65	65	66	63	58	55	55	60	65	64	68	70	68	66	63	59	54	62	62	61	62	62	63	61.6
Hamburg	Maximum	85	84	86	92	88	88	85	70	72	80	72	65	80	76	81	80	86	85	88	85	83	80	65	63	74	74	77	84	78	79	96	79.8
	Minimum	63	61	61	60	66	68	68	62	64	62	57	57	57	51	55	57	60	70	69	70	70	65	56	59	61	66	68	60	63	70	69	62.7
Harrisburg*	Maximum	83	83	87	86	89	88	81	86	84	85	83	86	82	82	85	88	90	88	92	93	92	76	65	66	74	75	80	86	81	80	89	83.4
	Minimum	63	63	64	66	71	72	71	69	69	70	70	67	67	61	59	61	65	71	72	72	71	64	59	61	63	67	69	64	65	70	69	66.6
Hawley	Maximum	83	83	86	87	87	88	80	87	87	88	83	86	82	80	85	91	91	89	86	95	93	72	62	68	81	72	77	86	83	84	87	83.5
	Minimum	51	50	50	54	61	60	64	64	61	65	64	61	60	49	44	49	54	65	58	63	65	61	52	55	59	58	63	53	58	62	60	57.8
Holtwood*	Maximum	82	82	86	88	90	88	78	88	88	86	85	85	83	81	84	90	91	91	92	91	90	79	68	68	73	78	81	86	79	79	88	83.8
	Minimum	64	64	67	66	73	75	73	72	71	73	72	70	71	65	64	63	66	76	75	77	73	68	61	64	65	70	68	68	68	72	70	69.2
Huntingdon	Maximum	86	87	92	94	97	94	84	85	87	92	87	87	84	85	87	91	94	90	94	94	....	94	69	68	74	74	83	88	86	84	90	86.7ª
	Minimum	57	51	62	56	64	69	69	65	65	67	67	64	64	54	53	52	56	67	67	68	....	68	63	63	65	67	64	61	61	65	66	62.7ª
Johnstown	Maximum	88	88	90	91	94	90	84	84	86	89	88	85	85	88	91	92	93	93	92	96	92	76	70	71	78	74	85	90	89	86	92	86.8
	Minimum	59	55	58	60	68	67	67	65	67	67	69	68	67	58	58	57	59	70	65	68	66	68	66	62	64	66	70	64	63	65	66	64.3
Lancaster	Maximum	86	87	90	86	89	89	87	89	89	89	86	86	85	86	88	89	92	91	94	96	94	83	77	66	73	77	83	90	85	79	92	86.2
	Minimum	60	59	59	59	65	67	71	68	66	69	74	72	65	57	55	55	58	69	68	77	70	70	57	61	62	62	68	60	62	68	65	64.5
Lawrenceville	Maximum	80	82	87	90	93	92	85	83	89	84	80	81	80	81	86	91	91	86	90	91	89	72	74	73	82	78	81	81	87	85	88	84.3
	Minimum	50	52	52	55	63	62	65	63	63	65	65	62	57	51	50	56	56	65	61	65	65	58	59	61	57	58	65	58	61	61	62	59.5
Lebanon‡	Maximum	84	84	87	87	90	91	80	87	85	87	85	87	84	83	87	90	92	91	93	98	93	77	71	67	77	74	84	83	82	80	92	84.9
	Minimum	58	58	60	62	68	70	74	68	65	71	70	69	66	56	55	57	61	70	72	69	71	71	56	57	61	66	68	59	62	69	67	64.7
Lock Haven	Maximum	86	85	87	90	95	91	87	85	89	88	84	86	86	85	86	91	92	90	94	94	93	80	72	70	74	74	79	85	86	86	90	85.8
	Minimum	57	57	57	59	70	70	70	67	67	70	68	66	65	55	54	59	59	68	68	68	69	66	62	63	65	64	68	62	63	65	67	64.1
Marcus Hook*	Maximum	91	90	94	95	97	91	92	90	94	89	90	88	87	89	90	92	91	96	97	97	94	84	68	72	79	86	88	87	81	83	92	88.8
	Minimum	67	66	67	72	74	71	72	72	77	73	73	72	66	63	66	69	73	74	78	76	73	59	64	62	68	72	67	68	71	71	72	69.9
Meadville	Maximum	83	84	92	89	89	88	84	83	85	83	85	84	80	81	90	91	94	83	88	90	92	84	75	74	71	80	78	84	90	84	86	84.6
	Minimum	52	53	54	60	65	64	65	65	67	66	68	65	60	53	50	58	65	67	67	66	70	64	64	62	53	57	64	56	58	58	62	61.2
Montrose	Maximum	74	78	83	83	87	86	80	82	72	81	77	81	77	75	81	86	86	83	85	90	87	70	66	68	79	74	76	83	84	82	85	80.0
	Minimum	53	53	54	61	64	68	66	65	63	65	63	61	59	54	53	60	60	64	65	67	68	63	52	57	60	62	63	58	63	64	63	61.0
Mount Pocono	Maximum	75	74	79	80	81	83	72	80	80	79	79	77	75	75	79	83	79	82	78	88	85	67	68	63	72	70	74	74	75	78	84	77.0
	Minimum	56	52	52	53	66	64	65	62	61	62	60	60	63	63	48	51	50	55	60	65	62	52	48	51	55	61	65	61	55	65	65	58.3
Philadelphia*	Maximum	86	86	87	88	90	92	84	88	88	90	84	88	84	84	88	88	88	87	94	93	93	81	64	65	73	79	86	87	76	78	90	84.8
	Minimum	69	68	70	69	70	73	72	73	71	76	74	70	70	68	65	68	68	72	74	77	74	64	60	62	63	68	71	67	67	72	72	69.6
Pittsburgh*	Maximum	82	82	88	91	88	91	80	83	85	83	86	81	80	84	86	92	92	90	91	93	91	77	76	72	77	77	83	86	82	86	91	84.7
	Minimum	62	59	62	65	72	67	66	65	67	70	68	68	66	62	61	62	66	80	68	70	69	67	65	61	62	66	66	65	64	66	66	65.6
Quakertown	Maximum	83	83	85	89	90	89	84	87	87	89	85	85	84	79	82	87	89	86	92	94	94	80	65	63	75	75	82	85	80	81	87	83.7
	Minimum	59	50	57	58	67	68	68	70	63	68	66	66	64	56	50	53	56	69	65	68	71	62	55	58	60	64	69	58	59	68	64	62.2
Reading*	Maximum	84	82	86	86	88	89	76	86	86	86	85	85	82	82	85	87	89	90	92	96	93	80	64	66	76	74	82	87	78	78	89	83.5
	Minimum	64	65	64	65	72	74	72	70	68	73	69	69	68	63	60	65	69	74	74	74	73	61	57	61	63	67	68	65	66	71	70	67.5
Ridgway‡	Maximum	81	82	87	88	86	90	81	81	80	81	80	82	80	80	85	87	89	87	87	90	88	70	72	69	77	73	82	85	91	85	87	82.7
	Minimum	50	48	51	53	60	61	63	61	60	66	65	59	59	49	46	52	53	63	57	61	61	65	62	61	55	59	62	56	56	56	59	57.7
Scranton*	Maximum	81	80	85	87	91	90	80	85	87	86	83	87	81	78	86	90	90	87	90	94	93	72	65	73	80	76	78	86	86	85	89	83.9
	Minimum	60	59	57	61	69	70	70	70	65	71	68	66	62	58	54	58	61	69	65	69	72	62	57	61	65	65	66	60	62	68	69	64.2
Selinsgrove	Maximum	84	84	87	88	89	89	83	83	84	86	83	83	83	82	86	87	89	86	80	88	83	72	70	70	76	77	81	86	85	82	89	83.1
	Minimum	57	57	63	59	66	70	70	67	66	67	67	67	65	54	54	56	59	70	67	68	71	68	58	61	65	66	69	59	63	67	67	63.6
Somerset	Maximum	75	76	83	83	83	80	79	74	77	77	78	78	75	76	80	82	85	83	86	85	83	78	69	63	65	71	76	79	76	75	75	77.6
	Minimum	50	44	47	54	55	63	61	60	63	60	66	58	59	44	45	46	48	64	60	60	62	64	62	58	60	63	65	54	52	68	59	56.9
State College	Maximum	81	83	86	86	89	89	79	80	82	85	82	82	79	80	83	87	88	87	90	88	90	71	68	67	72	70	78	83	84	81	87	81.8
	Minimum	55	55	56	59	64	68	69	62	64	67	66	63	62	54	52	54	59	65	65	67	69	67	59	60	61	64	66	57	59	62	64	61.7
Stroudsburg‡	Maximum	83	84	87	86	89	89	86	88	87	88	84	85	84	87	87	85	89	87	86	96	94	79	67	84	87	88	86	81	90	86	84	85.9
	Minimum	58	54	54	57	58	64	67	64	67	66	68	65	64	58	50	54	59	67	65	70	71	65	63	58	62	64	66	57	62	67	65	62.2
Towanda	Maximum	82	82	87	88	93	93	82	85	87	87	83	85	81	79	86	91	90	87	90	95	91	71	73	72	82	74	80	83	87	85	87	84.5
	Minimum	52	54	54	58	70	68	75	65	63	68	68	61	60	53	48	54	56	67	61	65	65	61	59	61	60	59	65	59	63	62	62	61.1
Uniontown	Maximum	83	84	90	91	90	91	83	84	85	87	86	85	82	84	92	92	94	93	95	96	90	82	80	74	78	73	82	89	86	83	88	86.2
	Minimum	59	54	57	64	70	70	66	65	68	67	70	67	67	55	57	60	60	71	69	70	67	69	67	66	65	67	69	60	63	67	63	64.8
Vandergrift*	Maximum	89	85	88	95	88	90	82	86	85	83	89	87	83	85	88	89	94	90	95	95	90	78	74	75	80	79	86	90	86	87	89	86.5
	Minimum	59	53	55	61	68	69	67	66	68	69	70	64	61	56	56	56	61	69	67	68	69	68	65	64	63	67	65	60	60	62	63	63.5
Warren	Maximum	75	74	78	85	85	89	86	80	79	79	78	79	75	76	81	85	87	89	88	87	85	74	70	72	74	76	78	83	84	85	85	80.7
	Minimum	65	56	57	60	67	66	68	67	66	67	68	67	64	56	52	62	69	68	69	68	69	68	62	63	62	60	68	65	63	62	66	64.2
Waynesburg	Maximum	85	86	90	92	93	91	81	85	86	86	86	84	85	88	91	92	94	93	93	94	92	82	85	76	81	80	87	91	89	84	89	87.5
	Minimum	58	53	55	58	70	68	67	65	67	67	68	66	64	53	53	55	60	69	68	68	66	70	66	63	63	66	69	59	57	65	62	63.2
Wellsboro	Maximum	80	82	89	88	92	90	78	84	85	86	82	79	82	78	85	88	86	86	90	91	87	70	72	68	78	70	78	80	86	83	87	82.6
	Minimum	50	53	52	53	63	62	63	62	61	65	64	59	56	48	48	55	55	65	60	63	63	58	58	60	56	57	64	56	60	60	60	58.4
Williamsport	Maximum	82	83	87	87	91	89	84	82	87	87	82	84	83	82	85	88	90	88	91	93	93	73	70	72	77	75	82	86	87	86	89	84.4
	Minimum	57	58	56	57	69	69	70	67	66	70	67	64	65	55	52	57	59	68	66	68	71	66	60	62	65	65	68	61	63	67	67	63.7
Williamstown	Maximum	86	82	85	86	90	89	84	88	86	84	86	83	81	85	87	86	87	91	91	95	93	91	78	65	78	76	78	84	90	85	88	85.1
	Minimum	57	58	58	64	66	68	65	64	64	68	63	65	63	58	56	61	63	65	70	70	71	62	53	56	58	62	65	63	61	65	66	62.8
York	Maximum	83	82	89	87	90	90	84	89	87	86	86	87	83	82	86	89	92	91	93	95	94	89	76	65	71	77	81	86	84	78	89	85.2
	Minimum	59	58	58	60	68	69	71	67	66	70	70	66	65	55	54	55	58	70	69	69	69	70	59	62	62	68	67	60	62	69	67	64.3

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ª, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA. PA.

VOL. XLII. SEPTEMBER, 1937. No. 9.

GENERAL SUMMARY.

The first four days of September were intensely hot, the average excess being about ten degrees. A few regions reported the highest temperatures of the summer during this period, and high humidities made the conditions very oppressive. A sharp drop occurred on the 5th, and temperatures for the remainder of the month were mostly below the normal. Frosts covered the greater portion of the State on the 18th, and killed a considerable portion of the truck crops in the western counties. Corn was generally too far advanced to be seriously damaged. The rainfall averaged only a little more than one-half of the September normal, and of that amount the greater portion occurred during the first week. As a result the top soil gradually dried out until, near the end of the month, plowing became difficult in many regions. The winter grains, which were seeded rather late as a rule, did not germinate properly, and near the end of the month they began to come up more or less spotted. Pastures and meadows made a good showing the first half of the month due to the general good condition following the heavy rains of August. The third cutting of alfalfa gave good returns in many regions. During the last half of the month the drying conditions slowed up the growth, and pastures were only fair at its close. The weather was excellent for corn cutting and for silo filling, both of which were well advanced at the end of the month, and husking was beginning in a few places. Potato digging was in progress all through the month, and was in full swing during the last ten days. Yields and quality were a bit disappointing in some sections due to the damaging effects of late blight, but considering the State as a whole, the crop seemed to be nearly up to the ten-year average. A good crop of peaches was gathered during the first half of the month, and apple gathering was getting well under way at its close. Both crops were the best in yield and quality of the last five years. Pears seemed to be about an average crop. Tobacco was the poorest crop for several years, being damaged to a large extent by rust. A near-average crop of buckwheat was harvested during the month.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 61.5°, which is 2.7° below the 50-year normal for September. The highest monthly mean was 66.8° at Marcus Hook, and the lowest was 54.6°, at Somerset. Extremes for the month ranged from a maximum of 97° at Claysville on the 2d, to a minimum of 25° at Chambersville on the 18th and at Somerset on the 27th. The greatest daily range in temperature was 50° at Claysville and Corry on the 22d.

PRECIPITATION.

The average precipitation for the State, as determined by the reports from 151 well-distributed stations, was 1.90 inches, which is a deficiency of 1.47 inches as compared with the 50-year normal for September. The greatest monthly amount was 5.72 inches at Mifflintown, while the least, 0.55 inch, was recorded at Smethport. The greatest amount recorded in any 24 consecutive hours was 3.40 inches at Westford on the 4th.

There was no snowfall reported during the month.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	59.6	84	29	4.84	....	10	8	11	11
1889	61.9	92	30	5.05	....	13	8	8	14
1890	62.2	91	25	4.57	....	11	10	9	11
1891	66.6	94	32	2.39	....	7	17	8	5
1892	62.4	90	29	2.81	....	7	16	7	7
1893	61.2	90	26	2.67	....	8	9	12	9
1894	66.6	95	24	6.30	....	10	10	10	10
1895	67.8	100	24	1.71	....	6	16	9	5
1896	63.6	98	26	4.82	....	10	13	8	9
1897	63.8	100	24	2.18	....	5	18	7	5
1898	66.0	100	25	1.70	....	6	16	8	6
1899	61.8	93	23	4.70	....	10	12	9	9
1900	68.4	100	27	1.77	....	6	13	10	7
1901	63.6	95	29	3.39	....	9	14	7	9
1902	62.7	99	28	4.66	....	11	12	8	10
1903	63.2	94	27	2.09	....	6	17	8	5
1904	63.7	95	21	3.37	....	9	13	10	7
1905	64.0	95	27	3.41	....	7	15	9	6
1906	67.0	99	30	2.46	....	7	15	9	6
1907	64.8	95	29	6.37	....	14	8	10	12
1908	65.6	99	26	1.60	....	3	17	9	4
1909	62.8	96	26	2.27	....	6	15	9	6
1910	65.5	95	32	4.49	....	10	13	8	9
1911	64.9	92	26	5.29	....	10	13	9	8
1912	65.5	95	25	5.57	....	12	12	7	11
1913	62.4	97	24	3.28	....	8	13	7	10
1914	61.5	98	21	0 99	....	5	18	7	5
1915	66.5	96	25	2.56	....	8	16	9	5
1916	62.5	98	23	3.77	....	8	17	8	5
1917	59.0	91	25	2.31	....	6	16	9	5
1918	58.7	88	28	3.97	....	10	12	8	10
1919	64.4	96	28	2.07	....	8	16	8	6
1920	64.5	91	24	3.99	....	9	16	8	6
1921	68.9	98	31	4.68	....	11	13	9	8
1922	66.3	100	22	1.48	....	4	19	7	4
1923	64.8	92	22	3.55	....	10	13	10	7
1924	59.8	99	26	6.44	....	11	11	7	12
1925	67.5	99	24	2.80	....	8	11	12	7
1926	64.2	99	26	5.81	....	12	11	7	12
1927	64.9	97	27	2.08	....	6	18	7	5
1928	60.4	94	25	2.33	....	9	12	9	9
1929	65.7	101	24	3.71	....	9	14	8	8
1930	67.8	101	27	2.45	....	9	15	10	5
1931	69.1	104	29	3.15	....	9	16	8	6
1932	65.2	105	23	1.45	....	6	16	9	5
1933	66.3	98	32	4.66	....	12	13	8	9
1934	66.4	94	31	6.58	....	12	12	8	10
1935	62.2	95	24	3.51	....	8	15	7	8
1936	66.5	96	28	2.17	....	8	14	7	9
1937	61.5	97	25	1.90	....	7	17	7	6
Period	64.2	105	21	3.37	....	9	14	9	7

Climatological Data for September, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	63.8	−1.5	94	4	38	18	34	0.91	−2.43	0.34	0	7	21	7	2	ne.	John A. Frick.
Altoona	Blair	1,615	50	59.7	−3.5	89	3	32	18	37	1.64	−1.31	0.60	0	6	21	4	5	w.	John J. Martin.
Ardmore	Montgomery	350	17	62.8	−4.4	91	4	40	18†	31	1.14	−2.75	0.42	0	6	14	8	8	......	H. L. Balderston.
Arendtsville	Adams	700	15	63.0	−3.0	94	4	39	18†	39	3.04	−1.00	2.04	0	7	20	3	7	n.	Harold J. Miller.
Bedford	Bedford	1,060	5	60.8	....	89	1†	33	27	35	4.13	....	2.58	0	6	20	2	8	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	65.6	−1.3	93	4†	41	20†	35	0.75	−2.49	0.34	0	5	20	0	10	w.	Lehigh University.
Carlisle	Cumberland	467	71	63.6	−1.8	94	4	35	18	38	1.98	−0.74	1.16	0	8	21	4	5	s.	Prof. C. E. Miller.
Center Hall	Center	1,272	41	60.5	−1.8	88	1	34	18	31	0.90	−1.94	0.26	0	5	22	1	7	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	63.4	−2.9	94	3†	36	18	37	2.80	−0.17	1.59	0	9	14	10	6	sw.	William B. Spear.
Clearfield	Clearfield	1,120	30	61.6^{a}	−2.5	94^{a}	3	28^{a}	29	47^{a}	1.74	−1.57	0.65	0	6	19	7	4	w.	E. W. Hess.
Coatesville	Chester	380	50	63.1	−3.2	94	4	38	18	35	1.02	−2.38	0.50	0	5	16	4	10	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	62.1^{c}	−2.2	87^{c}	3†	40^{c}	27	34^{c}	0.81	−2 46	0.41	0	5	24	1	5	......	Wm. A. Rorer.
Emporium	Cameron	1,050	50	60.3	−1.2	91	2	32	27	39	1.52	−1.96	0.57	0	11	15	4	11	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	64 8	−1.4	95	2†	38	18†	41	0.93	−2.44	0.52	0	6	18	5	7	n.	Ira J. Keath
Freeland	Luzerne	1,970	44	58.2	−1.9	84	1	34	18	25	1.70	−2.15	0.38	0	11	10	8	12	w.	Andrew B Evansha
George School	Bucks	190	31	64.6	−1.8	93	2†	36	21	37	1.49	−1.97	0.58	0	8	21	3	6	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	64.1	−1.5	94	4	40	18	35	3.10	−0.49	1.30	0	7	19	4	7	sw.	Dr Henry Stewart
Gordon	Schuylkill	840	33	59.5	−3.0	89	4	30	18	39	1.37	−2.66	0.48	0	6	21	3	6	sw.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	54.8	−2.2	83	3†	29	21	33	2.81	−0.95	1.00	0	6	23	4	3	w.	Ronald H. Marshall.
Hamburg	Berks	535	44	61.9	−3.5	95	3†	36	18	34	0.75	−3.30	0.33	0	6	22	4	4	w.	State Sanatorium.
Hanover	York	600	33	64.7	−3.1	93	4	40	18	31	1.40	−1.64	1.04	0	6	19	5	6	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	63.8	−2.0	91	4	42	18	30	1.02	−2.03	0.53	0	6	15	10	5	w.	U. S. Weather Bureau.
Hawley	Wayne	900	19	57.2	−4 2	90	1†	29	21	38	2.03	−1.18	0.68	0	10	22	5	3	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	65.2	−4.3	91	2†	45	18	27	1.08	−1.68	0.76	0	6	18	4	8	.. ..	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	61.4^{a}	−3 3	93^{a}	3	33^{a}	27	40^{a}	2.82	−0.27	1.00	0	6	15	10	5	n.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	62.5	−3.2	96	3	30	18	47	1.95	−0.92	0.62	0	6	22	4	4	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	6	57.1	....	88	2†	28	18	40	1.28	....	0.40	0	7	9	15	7	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	63.2	−2.4	94	4	35	18†	38	0.81	−2.56	0.45	0	6	20	6	4	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	40	60.2	−1.6	92	3	31	27	40	1.42	−1.59	0.45	0	8	18	7	5	......	C. P. Darling.
Lebanon	Lebanon	469	53	63.3	−2.5	95	4	36	18	41	0.57	−2.84	0.22	0	6	21	3	6	w.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	62.6	−2.5	94	1†	37	21	34	1.29	−1.79	0.29	0	8	15	9	6	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	66.8	−4.1	96	1	45^{a}	17	29^{a}	1.55	−1.86	......	0	6	22	1	7	sw.	Sun Oil Co.
Mifflintown	Juniata	445	34	62.4	−2.7	93	3	37	19†	36	5.72	+2.50	2.10	0	6	17	11	2	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	56.1	−2.4	83	1†	33	21	30	2.06	−2.38	1.60	0	6	16	6	8	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	58.4^{a}	−3.1	89^{a}	1	31^{a}	21	37^{a}	1.75	−1.81	0.54	0	8	24	3	3	nw.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	63.0	−2.7	92	2†	36	21	37	1.60	−1.83	0.73	0	5	20	1	9	w	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	61.2	−2.8	91	4	35	18	33	0.99	−2.30	0.38	0	6	18	7	5	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	66.4	−1 6	91	1	46	18	25	1.55	−1.59	0.74	0	6	14	8	8	n.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	63.8	−3.3	95	4	34	21	39	1.59	−1.68	0.65	0	6	21	6	3	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	60.7	−3.3	91	4	33	18†	36	1.30	−2.59	0.45	0	6	19	6	5	sw.	John E. Benner.
Reading	Berks	273	67	64.7	−1 6	92	4	44	18	27	0.89	−2.32	0.44	0	5	16	7	7	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	60 2	....	89	3	35	18†	38	2.38	....	1.25	0	6	19	5	6	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	61 2	−1.7	91	1	36	18	34	1.42	−1.75	0.51	0	7	14	9	7	n.	U. S Weather Bureau
Selinsgrove	Snyder	455	47	61.5	−3.4	90	2	34	18	34	1.51	−1.80	0.70	0	7	12	13	5	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	65.4	−2.9	92	4	41	18	30	0.91	−2.25	0.29	0	5	16	8	6	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	63.0	....	91	4	37	18	37	3.10	....	0.90	0	8	14	8	8	sw.	State Teachers College
State College	Center	1,217	53	59.6	−3.2	89	3	33	18	33	1.56	−1.34	0.42	0	8	18	9	3	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	61.0	−1 7	93	1	32	21	44	1.90	−1.58	0.85	0	6	18	3	9	w.	State Teachers College
Towanda	Bradford	754	43	59.7	−2.7	92	3	31	21	39	2.55	−0.64	1.04	0	9	16	9	5	ne.	Mrs .M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	58.0	−1.9	91	3	30	18	38	1.18	−1.77	0.70	0	7	26	1	3	nw.	George W. Hill.
West Chester	Chester	455	88	64.0	−1.6	93	4	37	18	33	1.29	−2.23	0.55	0	5	20	4	6	sw.	Harlan Saylor.
Williamsport	Lycoming	521	51	61 6	−3.0	91	2†	36	18	34	1.27	−1.77	0.49	0	7	17	6	7	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	63.4	−1.5	91	1†	36	18	37	0.93	−3.16	0.43	0	7	19	5	6	sw.	Susquehanna Collieries Co.
York	York	400	49	62.6	−3.8	91	1†	36	18	36	1.49	−1.54	1.06	0	6	19	7	4	s.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	56.8	−3.7	91	1†	27	18†	48	2.41	−0.72	1.72	0	8	14	9	7	......	Frank S. Fawcett.
Butler	Butler	1,077	24	61.0	−3.5	95	2	30	18	46	2.27	−1.19	1.01	0	6	15	9	6	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	59.6	−5.1	91	2	25	18	43	1.23	−2.42	0.81	0	6	18	8	4	sw.	John E. Lewis.
Clairton	Allegheny	1,020	5	59.8	....	90	2	28	18	36	0.72	....	0.44	0	4	12	6	12	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	32	63.0	−5.2	97	2	29	18	50	2.14	−1.10	1.29	0	5	23	1	6	s.	J. L. Melvin.
Corry	Erie	1,430	24	59.3	−1.8	93	2	28	27	50	1.96	−1.55	1.10	0	8	20	8	2	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	57.4	....	89	3	28	21	43	1.68	−0.88	0 48	0	10	18	3	9	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	40	62.4	−3.1	93	1	30	18	44	1.61	−1.53	0.77	0	7	17	10	3	w.	Ted R. Wineman.
Donora	Washington	762	11	65.0	−3.6	93	2	40	18†	41	3.14	+0.47	1.14	0	8	13	12	5	......	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	20	59.6	−2.0	89	2	30	18†	37	2.87	−0.63	1.05	0	10	20	7	3	w.	D. H. Jones.
Franklin	Venango	957	63	58.4	−4.5	91	3	31	18	44	3.14	−0.25	2.75	0	4	2	1	27	n.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	62 4	−3.1	93	1	32	18	42	1.33	−1.59	0.49	0	6	14	13	3	nw.	Westmoreland Water Co
Greenville	Mercer	950	41	60.6	−2.7	93	3	30	27	46	3.73	+0.44	1.85	0	10	17	7	6	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	59.4	−4.0	83	1†	35	18†	29	2.41	−1.10	1.42	0	7	19	6	5	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	62.1	−2.6	91	1†	29	18†	46	2.53	−0.22	1.73	0	7	25	3	2	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	63.8	−2.0	94	2	34	27	40	3.28	+0.04	1.29	0	6	15	11	4	w.	Robert Tross.
Kane (near)‡‡	Elk	2,020	5	.....	....	......	.....	.....	.....	...	......	....	......	......	...	...	...	...	......	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	45	63.0	−3.0	93	1†	36	27	36	2.91	−0.37	1.85	0	7	10	15	5	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	58.8	−3.5	90	1†	32	18†	44	3.64	−0.06	2.44	0	9	12	16	2	nw.	Paul F. Coy
Midland	Beaver	691	....	61.8	....	90	2†	36	27	32	1.96	....	0.88	0	6	16	10	4	s.	Perry P. Campbell
New Castle	Lawrence	808	57	59.8	−4.5	87	1†	33	27	35	2.70	−0.31	2.00	0	17	14	11	5	nw.	New Castle Water Co.
Newell	Fayette	800	17	62.3	−5.1	85	3	37	27	32	2.61	−0.07	1.20	0	7	15	6	9	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	62.6	−3.8	93	2	35	18	33	0.57	−2.01	0.44	0	5	8	14	8	s	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	57.0	−3.2	90	1	29	27	43	1.17	−1.82	0.35	0	7	13	7	10	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	57.8	−2.5	85	2†	31	18†	31	2.10	−0 81	1.00	0	9	10	14	6	e.	J. D. Beachy.
Sharon‡‡	Mercer	940	24	64.0	−0.9	95	3	38	18†	42	3.27	+0.57	2.87	0	8	20	8	2	s.	Harry H. Gerber.
Somerset	Somerset	2,190	70	54 6	−6.3	87	2	25	27	43	1.86	−1.74	0.81	0	5	9	12	9	se.	D. L. Grove.
Uniontown	Fayette	1,100	49	64.2	−0.9	94	1	34	18†	43	1.45	−1.85	0.56	0	7	18	10	2	ne.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	62.0	−3.5	91	1	35	18†	41	1.99	−1.13	......	0	6	23	7	0	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	48	60.2	−2.0	85	2†	38	22	29	1.29	−2.40	0.32	0	7	14	10	6	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	62.8	....	93	1†	32	18	46	3.32	....	1.34	0	4	6	21	3	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	62.7	−0.9	89	3	42	27	28	2.56	−0.83	1.90	0	5	9	16	5	s.	U. S. Weather Bureau.
For the State	......	......	50	61.5	−2.7	97	2	25	18†	50	1.90	−1.47	3.40	0	7	17	7	6	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-11-4-37-1050.

Daily Precipitation for September, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh						.34								.34			.03	.05		.01								.13	.01			0.91
Altoona	Juniata				.27	.60	T.					.33				T.		.27		.08									.09				1.64
Ansonia‖‖	W. Br. Susq	.12			.02	.68	T.						.07		.03		.05	.16		.06			T.						.19				1.38
Ardmore‡	Lower Del					.40	.02							.33				.14		.02							.28						1.14
Arendtsville	Lower Susq					2.04	.12	.20				.06				T.	.30			.01		T						.31					3.04
Baker's Summit	Juniata			.09	1.05	1.00		.02				.33						.14		.03									.16				2.82
Bedford	Juniata			.62	1.73	.85						.41						.31		T									.21				4.18
Bellefonte	W. Br. Susq			.69	.19	.27						.38				.06		.34		.08							T.						2.01
Bethlehem	Lehigh				T.	.23	.04							.34				.04											.10				0.75
Big Knob	Middle Susq					.37	.58	.04					.18					.38		.02	.02								.54				2.17
Bloserville‡‡	Lower Susq			.05	1.80	.60	.05					.05						.55		T.								.35					3.45
Buffalo Mills‖‖	Juniata				1.78	.27	1.20	.03										.37		.05									.15				3.85
Carlisle	Lower Susq			T.	.46	.70	.02	T.				.13				T.		.34		.01		.01							.31				1.98
Catawissa	N. Br. Susq																																......
Center Hall	Susquehanna				.22							.22				.03		.26		.17													0.90
Chambersburg	Potomac				.01	1.59	.01	.07				.17				.03	.17	.27		T.									.48				2.80
Clearfield	W. Br. Susq			.15	.65	.35						.40				T.		.11		.08						T.							1.74
Coatesville	Lower Del					.50	.07							.21				.08											.16				1.02
Colebrook	Lower Susq					.41	.02	.01				T.		T.			.16							T.				T.	.21				0.81
Conshohocken	Schuylkill					.64	.12							.32				.08		T.									.47				1.63
Doylestown	Lower Del					.61	.07							.37				.12		.03									.25				1.45
Du Bois	W. B. Susq			.39	1.14	.34	T.					.34				.07		.09		.17		.01					.05						2.60
Emporium	W. Br. Susq		.20	.11	.10	.57						.25			.02	.10		.02		.08					.03				.04				1.52
Ephrata	Lower Susq					.43	.09							.08				.10		.04									.19				0.93
Forest City	N. Br. Susq				.12								T.		.81			.40	.06	.46	.03						T.	T.	.07				1.95
Fredericksville	Schuylkill					.51	.06							.39				.09		.03									.09				1.17
Freeland‖‖	Lehigh			T.		.15	.38							T.		.32	.03	.36	.05	.09	.15	T.		T.				.01	.11	.05			1.70
Galeton	N. Br. Susq		.01	.03	.01	.91						.25	.01		T.	.07		.10		.05									.13				1.57
George School	Lower Del					.58	.14		.01					.34				.11	.01	.02									.28				1.49
Gettysburg	Potomac				1.30	1.23	.07	.05				.01						.21									T.	T.	.23				3.10
Girardville‖‖	Lower Susq	.10			.13	.12						.01		.21		T.	.40	.07		.15									.19				1.38
Gordon	Lower Susq				.20	.28								.06				.48		.13									.22				1.37
Gouldsboro‖	Lehigh		1.00			.35	.24								.75			.20	.27														2.81
Graterford	Schuylkill					1.43								.09	.11					T.				.06					.16				1.85
Hamburg	Schuylkill					.33								.12	.01			.14		.05									.10				0.75
Hanover	Lower Susq					.98	.06	.04				T.						.10		.01							T.	T.	.21				1.40
Harrisburg***	Lower Susq			T.	.25	.32	T.	T.				.05				T	T.	.24		T.				T			T.	.03	.13				1.02
Hawley‖‖	Upper Del				.14	.37	.23								.68			.30	.07	.03	.12								.04	.05			2.03
Hollisterville	Upper Del		.26		.67	.61	.20								.70		T.	.37	.04		.17							.03	T.	.05			3.10
Holtwood‖	Lower Susq					.23	.76	.02						T.	.05			.01	T.	.01													1.08
Huntingdon	Juniata			.38	1.00	.36						.57								.32		T							.19				2.82
Hyndman	Potomac			.27		.60	.03					.33						.62											.10				1.95
Kylertown	W. B. Susq			.30	.15	.25	T.					.30			T.	T.		.14		.05		T.					T.		.09				1.28
Lakeville‖‖	Upper Del				.63	1.01	.36								.94	T.		.35		.01	.20								.05	.04			3.59
Lancaster	Lower Susq					.25	.20							.05				.07		.01									.23				0.81
Lansford‖‖	Lehigh		.02			.14	.17								.23			.25	.03	.18	T.								.06	.04			1.12
Lawrenceville	N. Br. Susq			.45		.40						.12		T.	.10	T		.10		.05		.05							.15				1.42
Lebanon	Lower Susq				.01	.22	T.						T	.03			.17	T.		T.								.12	.02				0.57
Lehighton‖‖	Lehigh		.01			.01	.15						T		.31	T.		.19	.04	.14	.04								.10	.04			1.03
Lock Haven	W. Br. Susq			.04	.08	.12						.29				.04		.29		.14									.29				1.29
Marcus Hook	Lower Del					*	.82							.29				.10		.06									.28				1.55
Matamoras‖‖	Upper Del				.38		.24								1.60			.24	.11		.10								.10	.07			2.84
Mauch Chunk	Lehigh					.20	T.							.28	T.			.28		.14													0.90
Mifflintown	Juniata			1.23	.16							2.10						.43		1.30								.50					5.72
Montrose	N. Br. Susq			.58	.31	.60						.02		.41	.18		.02	.31		.25									.10				2.78
Morris Run	N. Br. Susq			T.	.02	.51						.11		T.	.16	.07		.25		.12		T.							.20				1.44
Mount Pocono	Upper Del	.16		.10		1.60								.10				.06											.04				2.06
Muncy Valley	W. Br. Susq			.03	.39	.54						.09		.02	.05			.37											.26				1.75
Neshaminy Falls‖‖	Lower Del					.73	T.							.36				.12		.03									.36				1.60
New Bloomfield	Juniata			.36	.49	.37		.03				.03				T		.36		.06									.03				1.73
New Park	Lower Susq					.71	.08							.02															.34				1.15
Newport‖‖	Juniata				1.05	.20	.05						.05					.40		.08									.35				2.18
Palmerton‡	Lehigh	.08				.19								.38				.21		.06						T			.07				0.99
Paupack‖‖	Upper Del			.27		.50									.72			.32	.12	.20									.15	.02			2 30
Philadelphia***	Lower Del				.42	.38								.28				.10		.02									.35				1.55
Phila. Navy Yard‡	Lower Del				*	*								1.13				.12		*									.18				1.43
Phila-P'nt Breeze.‡	Lower Del				*	.59								.34				.13		.01									.31				1.38
Phoenixville	Schuylkill					.39	.26							.43				.21		.02									.28				1.59
Pine Grove	Lower Susq			.05		.18						.05		.05				.30		.07									.23				0.93
Pleasant Mt.‖‖	Upper Del			.07	.45	.10									.89	.02		.34	.57										.08				2.52
Pottstown	Schuylkill					.40						T.		.15				.20		.05							T.	T	.05				0.85
Pottsville	Schuylkill					.55								.12				.36		.09									.11				1.23
Quakertown	Lower Del					.39	.11							.45				.17		.04									.14				1.30
Reading***	Schuylkill					.44						T.		.13					.22		.04						T.	T	.06				0.89
Renovo‖‖	W. Br. Susq				.12	.88	.05					.16	.08			.06		.18		.16									.24				1.93
Retreat	N. Br. Susq				.90	.35								.31				.51		.18									.13				2.38
cranton***	N. Br. Susq				.20	.14						T.		.50	.01	T.		42	T.	.12									.03				1.42
elinsgrove	Lower Susq			.58	.12	.10	.02					.08						.60									.01						1.51
hawmont	Schuylkill					.20	.13							.29				.08											.21				0.91
hippensburg	Lower Susq				.90	.63	.40	.02				.16						.31		.10							T.		.58				3.10
tate College	W. Br. Susq			.06	.19	.23						.42				.02		.34		.08									.22				1.56
troudsburg‖‖	Upper Del	.12				.85								.51				.23		.08									.11				1.90
unbury‖‖	Lower Susq				.24	.26	.13						08					.49	T.	.24									.23	T.			1.67
usquehanna‖‖	N. Br. Susq		.05		.44	1.35	.03						T		.92		.03	.32	.03	.18	T								.06	.06			3.47
Towanda	N. Br. Susq			.13	T.	1.04						.11		.20	.33	.03		.32		.10		T.							.29				2.55
Weikert	Lower Susq			1.75		.38						.15					.10			.15									.31				2.84
Wellsboro	N. Br. Susq					.70						.05			T	.08	.02	.13		.03		T.							.17				1.18
West Chester	Lower Del	T.				.55	T.							.35				.14		.02								T.	.23				1.29
Westgrove‖‖	Lower Del					.22	.38							T.	.22			.12											.13	.08			1.15
Wilkes-Barre‖‖	N. Br. Susq					.29	.44								.38			.42	.09	.19	.05								.02	.06			1.94
Williamsport‖‖	W. Br. Susq				.07	.10						T.	.21		T		01	.29		.10									.49				1.27
Williamstown	Lower Susq	.05				18	.02	.01						T			T	.43		.08									.16				0.93
York	Lower Susq					1.06	.08	.03										.08		.02									.22				1.49
York Haven‖‖	Lower Susq						.76	.01	.02									.08											.01	.10			0.98
ionsville..(near)	Schuylkill					.54	.06							.51	.06			.08											.35				1.60
Trenton, N. J***	Lower Del				.28	.88						T.		.35				.11		.03									.25				1.90

Continued on page 44.

Daily Precipitation for September, 1937—Continued from page 43

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Falls‖‖	Beaver			.09	.04	1.09						.23	.04	T.						.07							.15						1.71
Blairsville	Allegheny					1.15	.55					.30	.13		T.		.02	.14									T.		.04				2.33
Bradford	Allegheny	.06		.06	.40	.61						.46			.03	.14				.14		.01					.10						2.01
Brookville‖‖	Allegheny			.01		1.72	.01					.27	.10				.08			.16							.06						2.41
Butler	Ohio			.46		1.01						.41			.11					.18							.10						2.27
Chambersville	Allegheny				.25	.56						.27						.03				.04					.08						1.23
Clairton‡	Monongahela				.44	.16	T.					.11								.01													0.72
Clarion	Allegheny				.72	.88						.39	.15				.03			.12							12						2.41
Claysville	Ohio				1.29	.75						.03								.03							.04						2.14
Confluence‖‖	Youghiogheny	.04				.90	.40	T.				.10	.08					.15		.10									.10				1.87
Connellsville	Monongahela					1.91	.52					.12	.01				.05	.03		.15							.16		T.				2.95
Corry	Allegheny	.01		.08	1.10	.28						.36				.02		.04									.07						1.96
Coudersport	Allegheny	.28	.09	.34	.03	.48						.22	.04			.09				.09							.02						1.68
Derry	Conemaugh				.26	.77						.22		T.	.03	T.		.09									.22		.02				1.61
Donora‖‖	Monongahela			1.08	.69	1.14	.04					.06	T.					.02		.06							.05						3.14
Ebensburg	Conemaugh					1.65	.73					.56	.31					.07		.10	.01		.01				.01		.02				2.87
Franklin‖‖	Allegheny					2.75						.20								.07							12						3.14
Greensboro‖‖	Monongahela				.52	.75	.55	T.			T.	.14	.04				.04	.10		.03	.01						.05		T.				2.23
Greensburg	Youghiogheny				.48	.49						.15		.04		T.				.13		T.					.04						1.33
Greenville	Beaver		.80	.10	1.85	.18						.10		.23	.10	.04		.09		T.							.24						3.73
Grove City	Beaver			.04	1.42	.25						.31		.22		T.				.10	T.						.07						2.41
Herrs Isl. Dam‖‖	Ohio	.01		T.	T.	.81	.03					.02					T.	T.		.04		T.					.04						0.95
Irwin	Monongahela			.16	1.73	.21						.19		.10		.02				.12													2.53
Johnstown	Conemaugh				1.09	1.29						.63				.02		.14		.11									T.				3.28
Kane (near) ‡‡	Allegheny																																
Kregar‖‖	Youghiogheny				.85	.40					.11	.09				.03	.09		.23	.02						.03							1.85
Lake Lynn‖‖	Monongahela				.01	1.20	.48					.03					.02	.08		.01							.06						1.89
Linesville‖‖	Beaver																																
Lock No 2‖‖	Ohio			.10	.02	.87	T.	.01				.05															.05						1.10
Lock No. 4‖‖	Monongahela				.10	2.11	.30					.03						.04		.11							.02						2.71
Lock No. 5‡‡‖‖	Allegheny					.35	.27					.18	.03		.06			T.		.08							.06						1.03
Lycippus	Conemaugh				.25	1.85						.35		.02				.12		.15							.17		T.				2.91
McKeesport‖‖	Monongahela					.58						.07						T.		T.													0.65
Meadville	Allegheny			.45	.18	2.44						.09	.10		.17		T.	T.	.06	.02			T.				.13						3.64
Midland	Ohio		.30		.88	.35						.17								.07							.19						1.96
Mosgrove‖‖	Allegheny				.08	.65	.08					.33	.05				.05			.18	T.		.01				.10						1.53
Mount Lebanon	Ohio		.04	.25	.50	.18						.04		.01		T.				.04							.06						1.12
Natrona‖‖	Allegheny					.42	.20					.25			.10					.10							.09						1.16
New Castle‖‖	Beaver	.04	T.	.04	2.00	.02	.01	.01	.03	.01	.17	.03		.02						.07	T.	.02			.01		.20	.01		T.	.01		2.70
Newell	Monongahela					1.20	.10				.01	.05		T.				1.00		.22							.03						2.61
Parkers Landing‖‖	Allegheny			T.	.65	1.12						.52	.57				.02			T.							.20						3.08
Pennline‖‖‡‡	Beaver		.33	.47	.12	1.44						.18	.09							T.							.23						2.86
Pittsburgh***	Ohio		T.	T.	.33	.11	T.				T	.05				T.	T.	T.		.05		T				T.	.03	T.					0.57
Punxsutawney‖‖	Allegheny				.07	.36	.03					.14	.04				.02	.03	T		.13								.01				0.83
Ridgway	Allegheny				.23	.35						.22	.13				.12			.06			T.				06						1.17
Salisbury (near)	Youghiogheny				.38	1.00	.02	.01				.46	T.			.01		.14		.06	T.						T	T.	.02	T.			2.10
Saltsburg‖‖	Conemaugh				.11	1.29	.44					.10	.01		.02		.02	.04		.07							.05		T.				2.15
Sharon‖‖	Beaver		.05	T.	.87	2.00						.07	.02		02					.09							.15						3.27
Smethport‖‖	Allegheny		T.	.05	.05	.15						.05	.05			.10	.10			T													0.55
Somerset	Youghiogheny				.42	.81						.51				T.		.08		.04													1.86
Springdale‖‖‡‡	Allegheny					1.20	.33					.05	.02		.08			.03		.05							.06						1.86
Uniontown	Monongahela			T.	.56	.51	.01					.11				T.		.11		.07							.08		T.				1.45
Unity Reservoir‡‡	Youghiogheny				.69	.45	T					.20		.02		T.		.07		.11							.06		T.				1.60
Vandergrift‡	Conemaugh			T.	*	1.87						.03		.07		.01	.01		T.														1.99
Warren	Allegheny			.32	.25							.25	.20				.16			.06							.05						1.29
Waynesburg	Monongahela			.70	1 34	1.02														.26													3.32
Westford‖‖	Beaver	.20	.05	.11	3.40						.30	.10		.35												.30							4.81
West Newton‖‖	Youghiogheny				.02	1.15	.41					.06						.02		.07							.03						1.76
Lake Drainage.																																	
Erie***	Lake Erie				1.90							.38				.02	.12	T.	T.	T.		T.				.14							2.56

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.08	30.51	30	29.54	11	12.1	32	w.	11	75	57	65	53
Harrisburg	30.08	30.57	30	29.61	11	6.0	18	w.	19	83	53	64	70
Philadelphia	30.09	30.58	30	29 60	11	10.7	27	s.	15	75	54	64	66
Pittsburgh	30.09	30.50	30	29.65	11	9.0	26	sw.	15	85	49	58	68
Reading	30.07	30.55	30	29.61	11	8.6	30	w.	19	79	54	60	66
Scranton	30.08	30.60	30	29.58	11	5.4	22	nw.	19	84	53	64	66

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	2.8	3.6	7	2.1	27	18
Easton	Delaware	2.0	3.0	8	1.0	28	22
Lehighton	Lehigh	2.8	3.1	6	2.5	30	9
Wilkes-Barre	Susquehanna	3.5	5.7	7	2 3	30	20
Williamsport	Susquehanna	1.5	3.3	1	0.7	30	20
Harrisburg	Susquehanna	3.9	5.1	1	3.4	30	18
Greensboro	Monongahela	12.0	20.1	6	10.5	30	30
West Newton	Youghiogheny	0.4	1.8	7	0.0	30	20
Lock No.4	Monongahela	11.8	18.5	7	10.5	30	30
Pittsburgh	Ohio	.....	15.8*	7	10.0*	30	25
Midland	Ohio	.....	13.5*	8	9.0*	14	30

* —Pool stage.

Daily Temperatures for September, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	87	88	89	82	69	61	71	76	75	70	68	71	67	65	77	71	61	68	63	64	67	77	78	78	82	66	56	53	70	77	....	71.6
	Minimum	67	61	66	67	58	52	55	49	47	49	56	48	47	43	43	43	48	32	43	88	37	40	45	46	61	42	33	42	46	40	....	47.8
Bedford	Maximum	89	89	89	88	70	65	71	76	76	76	71	71	73	67	76	73	70	63	64	64	67	74	77	79	81	78	60	55	70	68	....	73.0
	Minimum	64	62	64	64	57	55	58	64	50	50	58	48	48	43	41	43	49	39	42	36	35	40	45	49	49	62	33	44	44	43	....	48.6
Bethlehem	Maximum	92	92	91	93	93	68	80	82	81	80	79	79	76	71	79	79	78	68	68	66	68	75	78	86	85	85	68	59	70	73	....	78.1
	Minimum	68	72	69	71	60	52	55	56	54	53	55	57	53	50	48	58	54	42	48	41	41	45	46	51	64	56	46	48	47	44	....	53.1
Brookville	Maximum	91	91	90	77	64	69	78	75	80	78	68	69	65	65	67	69	69	65	61	64	67	80	84	84	68	61	59	62	69	75	....	71.6
	Minimum	57	62	65	62	58	43	42	44	41	45	57	42	37	37	41	36	40	27	33	31	30	32	39	41	42	47	27	36	35	31	....	42.0
Butler	Maximum	93	95	92	91	75	82	79	81	85	82	81	79	68	67	65	68	68	68	66	66	70	81	86	88	85	60	63	64	72	76	....	76.5
	Minimum	63	64	69	58	56	60	48	49	50	45	55	45	43	45	53	38	44	30	40	32	33	35	43	43	43	39	31	34	40	36	....	45.5
Carlisle	Maximum	91	91	92	94	83	72	74	78	81	80	73	76	76	73	80	78	74	68	70	74	70	77	79	84	84	75	65	59	71	75	....	77.2
	Minimum	65	65	65	68	62	60	59	57	49	54	53	54	51	44	42	44	52	35	43	42	37	41	48	48	47	53	38	46	40	40	....	50.1
Chambersburg	Maximum	92	93	94	94	73	67	69	79	82	80	73	76	68	72	80	77	67	66	69	70	72	79	80	84	85	74	60	60	71	74	....	76.0
	Minimum	65	64	67	70	58	56	58	59	50	52	55	51	51	48	43	48	50	36	44	41	39	48	47	47	48	55	39	45	48	45	....	50.7
Chambersville	Maximum	90	91	90	87	69	70	77	75	80	79	72	69	62	66	71	70	64	68	64	65	69	80	84	83	82	71	60	61	72	75	....	73.9
	Minimum	60	63	63	62	58	47	51	46	44	51	57	42	43	37	49	38	43	25	46	29	30	41	49	46	45	46	28	41	38	39	....	45.2
Claysville	Maximum	96	97	94	85	69	73	80	81	86	85	75	71	68	71	71	71	66	75	71	72	71	88	90	89	87	76	59	70	74	84	....	78.2
	Minimum	63	63	69	67	61	52	55	50	46	53	61	44	45	43	52	40	43	29	60	31	34	38	50	50	50	44	30	38	39	40	....	47.7
Clearfield	Maximum	92	93	94	89	77	79	82	86	88	82	79	76	73	76	75	76	67	63	69	65	67	78	82	87	85	82	75	76	72	....	....	78.4[a]
	Minimum	65	60	60	65	55	48	45	49	49	53	51	43	41	40	40	42	44	31	43	32	33	37	41	40	46	48	31	35	28	....	....	44.7[a]
Coatesville	Maximum	92	92	90	94	75	68	75	79	81	79	78	75	64	69	78	77	62	65	71	67	69	75	77	81	84	71	61	56	67	68	....	74.7
	Minimum	67	70	64	71	59	54	60	55	53	52	62	52	52	47	43	57	52	38	42	43	39	43	46	48	53	64	45	48	45	43	....	61.5
Corry	Maximum	92	93	89	83	71	75	78	79	81	81	72	67	62	65	70	70	62	66	57	65	68	82	86	88	84	66	63	62	73	76	....	74.2
	Minimum	61	63	64	66	56	41	45	44	43	50	57	38	40	41	51	40	41	29	46	29	33	32	46	47	61	45	28	30	42	33	....	44.4
Emporium	Maximum	90	91	90	81	74	68	77	78	79	79	74	70	62	68	70	70	62	68	62	69	66	77	84	84	85	71	62	57	68	73	....	73.6
	Minimum	65	67	68	66	56	45	45	47	48	49	58	52	42	42	40	44	44	33	48	33	33	39	45	49	61	50	32	44	40	36	....	47.0
Erie*	Maximum	88	89	89	80	67	71	74	72	77	80	69	61	60	66	68	60	58	66	62	59	67	77	86	86	82	68	68	60	63	73	....	70.8
	Minimum	73	74	75	67	53	50	56	57	58	60	59	54	49	48	58	52	46	43	51	48	47	51	58	60	54	51	42	45	49	49	....	54.6
Franklin‡	Maximum	89	88	91	78	67	71	78	78	80	77	68	67	60	60	69	67	60	64	58	64	67	78	82	82	81	61	60	65	69	73	...	71.7
	Minimum	63	64	66	67	59	46	50	49	47	47	51	44	44	41	42	40	41	31	33	35	35	36	38	46	47	48	33	34	36	38	....	45.0
Freeland	Maximum	84	83	83	83	68	60	67	73	63	69	70	60	66	56	69	67	62	59	68	58	58	66	71	76	78	68	53	48	61	63	....	66.7
	Minimum	67	69	67	68	54	46	52	48	42	52	52	50	47	44	45	51	46	34	45	48	40	45	47	65	56	52	38	42	45	42	....	49.6
Gettysburg	Maximum	92	92	91	94	74	66	68	78	80	80	74	78	72	73	78	79	72	67	70	71	72	76	78	82	85	78	64	67	71	74	....	76.2
	Minimum	70	64	65	69	60	57	59	55	53	54	55	52	53	57	44	53	54	40	47	42	41	54	48	48	50	58	43	47	42	45	....	52.6
Greensburg	Maximum	93	92	89	89	71	74	76	76	85	82	72	71	61	67	71	71	64	73	65	67	74	85	87	86	83	76	60	60	71	79	....	75.7
	Minimum	65	67	70	60	51	43	55	54	51	55	60	48	45	45	53	46	47	32	51	37	38	43	52	48	43	49	35	45	43	44	....	49.2
Grove City	Maximum	83	83	79	77	69	67	75	75	75	75	72	64	55	63	63	65	59	63	62	63	63	72	75	82	79	73	58	60	65	65	....	69.3
	Minimum	67	69	69	60	57	47	50	50	49	55	58	45	45	42	50	45	42	35	52	35	38	44	54	64	56	44	50	38	42	42	....	49.5
Hamburg	Maximum	94	93	95	95	82	64	72	68	62	68	68	72	66	64	73	80	67	70	68	70	71	78	80	80	85	72	56	56	70	76	....	73.8
	Minimum	66	68	65	70	52	50	50	46	44	44	46	56	52	49	46	56	54	36	44	46	37	44	46	47	52	48	45	48	50	42	....	50.0
Harrisburg*	Maximum	90	91	90	91	73	66	71	76	77	77	71	73	64	69	78	75	64	64	66	67	67	74	76	82	83	67	57	58	68	70	....	73.2
	Minimum	68	68	70	71	59	57	60	58	56	57	67	57	53	49	49	57	49	42	49	50	44	47	54	52	55	64	48	48	46	47	....	54.4
Hawley	Maximum	90	90	89	89	71	67	75	76	76	76	71	67	53	65	73	78	59	64	61	60	64	67	75	80	78	68	59	52	64	66	....	70.6
	Minimum	59	62	60	63	56	44	43	42	41	45	44	51	45	45	35	43	46	30	38	42	29	39	38	45	44	45	34	37	41	32	....	43.9
Holtwood*	Maximum	89	91	91	88	75	68	72	76	82	80	73	73	64	71	81	77	64	66	69	68	68	77	75	80	81	66	57	58	67	73	....	74.0
	Minimum	70	72	68	73	59	59	63	63	59	59	57	57	55	53	54	61	49	45	52	50	46	50	53	55	67	54	50	50	48	50	....	56.4
Huntingdon	Maximum	91	92	93	83	69	66	76	79	80	....	69	74	64	69	79	75	63	66	67	68	69	76	80	82	84	68	61	58	71	71	....	73.9[a]
	Minimum	65	64	65	68	58	56	54	52	51	....	56	49	46	43	39	47	51	36	43	38	34	42	45	50	52	47	33	46	42	45	....	48.9[a]
Johnstown	Maximum	93	94	92	90	72	65	80	80	82	80	70	74	69	72	78	73	63	69	72	74	81	82	85	87	85	67	67	63	75	76	....	77.0
	Minimum	64	61	66	67	60	55	60	64	59	50	56	48	48	45	44	43	49	36	47	37	41	46	47	47	49	51	34	46	50	47	....	50.6
Lancaster	Maximum	90	92	90	94	78	74	76	79	80	80	78	79	74	73	79	78	73	67	71	70	70	77	78	83	84	78	67	61	71	74	....	77.3
	Minimum	65	65	63	63	63	52	59	55	50	52	50	49	50	46	44	53	54	35	42	39	35	41	45	46	46	46	41	44	44	40	....	49 2
Lawrenceville	Maximum	90	90	92	85	76	72	77	77	80	79	72	69	63	69	71	73	63	69	63	64	60	76	82	84	85	73	61	58	66	72	....	73.7
	Minimum	64	65	66	65	52	46	48	47	47	47	57	48	44	43	47	42	45	32	48	36	32	40	42	48	47	53	31	42	37	36	....	46.6
Lebanon‡	Maximum	91	93	92	95	72	69	76	77	80	79	71	76	60	71	80	78	64	63	69	69	71	77	79	84	87	70	69	56	71	73	....	75.1
	Minimum	66	67	66	69	69	55	58	58	51	55	54	51	52	46	45	52	54	36	45	44	37	43	49	46	46	52	41	48	48	41	....	51.5
Lock Haven	Maximum	94	93	94	86	84	67	76	77	78	79	72	76	67	70	77	74	69	64	68	70	69	73	77	78	79	74	63	60	65	67	....	74.7
	Minimum	66	66	68	69	58	54	53	51	52	53	53	50	51	48	43	48	61	38	48	38	37	44	47	51	53	55	38	46	42	44	...	50.5
Marcus Hook*	Maximum	96	94	95	92	68	77	80	82	79	80	79	75	72	83	82	78	68	72	71	72	71	77	81	81	79	65	62	66	69	74	....	77.3
	Minimum	75	72	71	63	57	62	61	59	59	57	57	55	51	57	64	56	45	54	48	47	52	53	58	62	....	60	50	49	51	47	....	56.4[a]
Meadville	Maximum	90	86	90	76	69	73	78	75	79	79	66	62	55	65	69	66	59	61	55	62	66	79	82	84	80	58	69	64	67	75	....	71.0
	Minimum	64	65	66	69	60	44	50	51	45	53	60	44	43	41	50	40	42	32	40	35	34	35	43	52	52	44	32	34	40	34	....	46.6
Montrose	Maximum	87	87	87	83	74	68	72	73	75	74	66	63	55	63	72	68	59	60	57	66	58	70	74	80	80	69	58	51	63	66	....	68.9
	Minimum	65	67	63	64	53	45	48	48	51	52	49	49	44	42	45	46	45	33	44	39	37	44	46	53	55	50	36	42	42	38	....	47.8
Mount Pocono	Maximum	83	83	81	81	68	61	71	69	68	70	63	64	54	70	70	68	58	57	56	55	58	65	71	78	75	65	58	49	60	57	....	66.2
	Minimum	61	62	63	63	57	40	42	40	45	47	48	44	42	41	40	46	45	41	41	39	33	40	42	53	50	62	44	41	42	35	....	46.0
Philadelphia*	Maximum	91	91	90	91	77	68	76	80	80	78	76	79	60	70	79	77	65	66	70	68	70	74	76	82	80	72	63	56	66	71	....	74.7
	Minimum	73	74	72	71	57	57	63	62	62	61	61	59	54	51	56	65	53	46	51	50	51	56	55	57	62	58	52	51	50	52	....	58.1
Pittsburgh*	Maximum	91	93	88	85	69	71	76	76	80	81	70	68	58	66	69	68	61	67	62	65	69	80	83	86	83	61	57	63	72	78	...	73 2
	Minimum	67	69	71	68	56	52	54	57	55	68	59	51	46	46	51	48	47	35	47	42	44	47	56	56	66	47	40	43	46	47	....	52.0
Quakertown	Maximum	88	89	89	91	89	67	75	76	77	77	75	73	71	76	74	73	68	63	66	63	67	70	74	79	80	73	64	56	65	68	....	73.7
	Minimum	62	66	61	67	68	53	52	50	48	48	48	50	51	42	51	49	51	33	39	51	33	40	40	43	46	47	41	43	42	35	....	47.7
Reading*	Maximum	89	90	90	92	76	67	75	76	79	78	73	75	57	68	77	75	65	65	66	65	69	75	77	83	85	69	60	58	70	71	....	73.8
	Minimum	70	74	72	75	58	56	60	59	56	57	57	56	53	50	54	60	48	44	52	46	45	48	51	56	58	54	49	60	62	47	....	55.6
Ridgway‡	Maximum	90	89	86	77	61	69	77	75	77	79	68	69	63	63	65	68	59	65	59	63	66	78	83	83	82	61	60	58	66	73	....	71.0
	Minimum	59	61	63	64	57	53	46	45	43	46	54	40	39	39	42	36	39	30	33	30	31	35	41	44	45	46	29	32	35	32	....	43.0
Scranton*	Maximum	91	91	91	90	68	71	76	77	79	79	72	66	56	67	78	73	61	65	63	62	63	75	77	82	84	65	68	54	66	71	....	72.4
	Minimum	65	68	68	68	56	52	50	50	50	53	55	52	49	49	44	49	42	36	49	42	37	45	48	51	50	49	41	49	47	39	....	50.1
Selinsgrove	Maximum	89	90	88	89	78	67	77	78	80	77	73	74	69	68	77	70	69	67	65	68	67	69	76	76	83	80	66	60	68	65	....	74.1
	Minimum	64	66	67	65	58	50	57	51	51	52	57	49	50	48	45	48	45	34	46	36	36	43	44	50	49	62	39	36	38	42	....	48.9
Somerset	Maximum	81	87	83	82	69	59	71	71	68	67	65	62	59	57	61	76	69	62	62	56	65	68	70	73	73	64	52	51	66	62	....	66.7
	Minimum	58	55	59	62	56	53	55	45	40	43	56	41	41	42	45	33	43	26	38	29	29	32	37	39	38	47	25	39	38	33	....	42.6
State College	Maximum	88	88	89	83	69	62	74	73	76	76	69	69	58	65	74	71	59	62	61	63	66	72	76	79	80	68	59	55	68	68	....	70.7
	Minimum	63	64	67	65	56	52	52	49	47	52	59	48	47	44	46	45	48	33	45	41	37	41	43	46	48	60	34	43	44	43	....	48.4
Stroudsburg‡	Maximum	93	92	90	88	80	81	79	79	79	79	76	60	61	70	77	77	62	68	68	65	70	73	77	86	85	83	59	55	71	73	....	75.2
	Minimum	65	62	64	68	48	48	47	47	48	49	47	52	50	50	40	40	50	33	40	45	32	40	41	42	49	49	39	49	44	36	....	46.9
Towanda	Maximum	91	91	92	87	74	71	76	77	80	79	68	69	54	67	75	72	62	66	64	63	64	74	79	84	82	67	61	57	67	70	....	72.8
	Minimum	65	67	67	65	54	47	48	48	47	48	54	49	47	43	41	41	44	33	48	38	31	42	40	48	45	45	34	44	37	38	....	46.6
Uniontown	Maximum	94	92	92	88	72	79	77	79	84	84	73	72	65	68	76	75	64	70	68	69	73	86	89	86	85	70	66	68	74	81	....	77.3
	Minimum	65	66	69	68	61	57	56	55	59	57	62	51	46	44	53	44	49	34	50	36	37	43	61	50	49	51	34	46	45	44	....	51.1
Vandergrift*	Maximum	91	90	87	84	70	72	79	77	82	83	73	73	62	72	75	74	62	70	66	67	71	82	84	85	84	67	59	66	72	77	....	75.2
	Minimum	66	67	70	68	54	53	53	53	49	64	56	48	51	46	51	42	39	35	43	37	38	41	49	49	49	42	35	47	42	41	....	48.9
Warren	Maximum	82	85	85	84	72	74	69	72	73	74	75	66	62	60	60	64	60	60	62	60	59	65	70	78	78	70	62	56	60	70	....	68.9
	Minimum	66	68	70	70	60	52	54	52	54	56	61	58	43	48	45	44	45	40	47	42	40	38	50	63	54	60	50	40	46	41	....	51.6
Waynesburg	Maximum	93	93	91	88	76	78	79	82	83	82	76	72	64	68	71	72	65	69	66	70	75	85	88	87	83	68	61	68	76	81	...	77.0
	Minimum	63	65	68	66	60	53	57	52	49	62	62	47	47	44	52	39	47	32	49	34	36	39	48	47	47	49	38	46	39	39	....	48.7
Wellsboro	Maximum	90	90	91	82	72	70	74	73	78	76	66	67	58	66	72	70	57	64	59	60	62	73	78	80	81	72	64	55	61	68	....	71.0
	Minimum	63	65	65	63	50	44	46	46	45	46	55	45	45	43	42	41	47	30	50	33	31	37	40	45	45	41	32	41	35	35	....	44.9
Williamsport	Maximum	90	91	91	85	78	68	76	77	80	78	73	73	62	68	76	73	62	64	65	65	66	74	76	79	80	69	63	60	66	70	....	73.3
	Minimum	67	67	68	68	59	51	51	51	49	51	58	48	50	47	42	52	51	36	46	41	38	44	44	52	53	54	37	46	39	41	....	50.0
Williamstown	Maximum	91	88	90	89	91	86	84	81	80	79	75	71	70	66	78	77	72	64	65	73	69	76	75	81	85	80	59	63	66	71	...	76.2
	Minimum	67	67	68	70	56	49	54	61	55	55	50	49	46	43	50	60	48	36	38	42	47	40	50	53	66	64	40	43	42	46	....	50.5
York	Maximum	91	91	90	90	78	66	70	75	78	78	73	73	70	64	79	76	70	66	68	68	69	76	78	82	83	74	64	58	67	72	....	74.7
	Minimum	65	66	65	69	62	57	60	55	50	53	55	48	53	43	45	57	54	36	47	37	38	42	49	46	47	51	40	48	41	40	....	50.6

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. [a], [b], [c], etc., indicate respectively 1, 2 or 3 days missing from record.

[illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA. PA.

VOL. XLII. OCTOBER, 1937. No. 10.

GENERAL SUMMARY.

The average temperature for the State, 50.6 degrees, was just equal to that for October 1929, these two being the coolest Octobers of the last twelve years. The deficiency was occasioned chiefly by a cool period of ten days duration, from the 8th to 17th inclusive. Freezing temperatures were fairly general near the end of this period, but did no extensive damage. The extreme temperatures for the month were not unusual. The rains were generally light or moderate during the first half, and heavy during the last half of the month. For the month as a whole, they were almost twice as much as the October average. In a general way the rains were heaviest in the regions where the September rains were lightest. They saturated the soil quite thoroughly, filled the ponds, and flooded many streams. In the Ohio headwaters the streams were flooded in many places on the 29th, while the Schuylkill was flooded on the 24th. At most places the waters merely rose past the established flood stages, and the damage was not important. Weather during the first half of the month was favorable for field work, and corn husking, potato digging, and apple gathering made good progress. Heavy rains slowed up nearly all outdoor work, and field work especially, during the last half of the month. The corn crop was better than the average in yield, and generally in quality. It was mostly in fine condition for cribbing. The potato crop was just a little better than the average, while the apples were the best for several years in both yield and quality. Truck crops were cut off by killing frosts a little earlier than usual in the southeastern counties. Corn matured rather early and was not damaged much by freezing. Wheat and rye seeding began late in September, and finished in October. The grain did not sprout quickly on account of the dry top soil. In general, both wheat and rye would have been better if the drenching rains had come early in the month. At the close of the month these grains were reported as being mostly in fair condition.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 50.6°, which is 1.9° below the 50-year normal for October. The highest monthly mean was 57.6°, at Marcus Hook, and the lowest 43.8° at Mount Pocono. The highest temperature was 89° at Claysville on the 1st, and at Vandergrift on the 6th, while the lowest was 12° at Emporium on the 17th. The greatest daily range in temperature was 45° and occurred at Hyndman on the 12th, Lancaster on the 18th and at Emporium on the 17th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 148 stations was 5.84 inches, which is 2.58 inches above the 50-year normal for October. The greatest monthly amount was 10.40 inches at Mount Pocono, and the least was 2.98 inches at Beaver Falls. The greatest amount recorded in any 24 consecutive hours was 4.50 inches at Gordon on the 22d-23rd.

Snowfall averaged 0.1 inch which is 0.1 inch less than the 50-year normal. The greatest monthly amount was 2.8 inches at Erie. The greatest snowfall for 24-hours was 2.5 inches at Erie on the 24th.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	46.3	74	19	4.02	T	16	9	6	16
1889	47.3	83	13	3.85	0.2	10	8	9	14
1890	50.9	81	21	5.87	0.3	15	6	8	17
1891	50.6	91	15	3.06	T.	8	11	9	11
1892	50.8	83	16	0.72	T.	6	13	11	7
1893	53.0	91	17	3.26	T.	8	14	8	9
1894	53.6	88	24	4.26	T.	9	12	8	11
1895	47.3	76	17	1.99	0.3	5	17	8	6
1896	48.9	86	18	3.19	T.	9	11	8	12
1897	54.2	95	16	1.32	T.	5	14	8	9
1898	53.8	92	20	5.20	T.	12	11	7	13
1899	54.6	94	15	1.55	0	6	13	8	10
1900	58.6	95	19	2.74	0	8	11	9	11
1901	52.2	83	20	1.23	T.	5	16	10	5
1902	53.1	89	19	4.64	0.1	9	12	9	10
1903	53.4	91	20	4.64	0.1	9	12	8	11
1904	50.6	91	12	2.87	T.	7	15	8	8
1905	53.2	90	16	4.23	T.	9	14	7	10
1906	52.0	87	14	4.46	1.1	14	7	7	17
1907	48.2	87	13	3.16	T.	7	16	8	7
1908	54.6	93	19	1.95	T.	6	16	7	8
1909	48.4	87	15	2.27	T.	7	13	7	11
1910	55.6	91	14	1.91	0.5	7	16	8	7
1911	52.3	83	18	4.83	T.	11	11	7	13
1912	54.2	90	23	2.74	T.	7	15	7	9
1913	54.9	88	16	5.44	0.2	13	10	6	15
1914	56.4	91	11	2.35	T.	9	11	9	11
1915	54.2	85	17	2.65	T	8	15	7	9
1916	52.1	92	16	2.25	T.	6	18	7	6
1917	47.2	84	12	6.38	1.7	13	10	10	11
1918	55.5	85	19	3.17	0	10	15	8	8
1919	57.5	92	21	4.77	0	17	9	8	14
1920	57.5	88	22	1.67	T.	5	19	7	5
1921	52.6	84	18	2.16	0	8	17	7	7
1922	54.8	94	12	2.51	T.	7	18	6	7
1923	51.0	87	12	2.38	T.	8	15	8	8
1924	52.9	87	14	0.28	0	2	21	7	3
1925	46.1	83	9	4.83	3.8	15	6	8	17
1926	51.9	90	16	4.51	0.2	14	10	9	12
1927	55.6	99	21	6.40	0.1	9	17	5	9
1928	55.1	91	15	1.78	0.1	8	14	8	9
1929	50.6	85	14	5.59	T.	9	12	8	11
1930	50.8	93	9	0.99	0.2	6	15	7	9
1931	55.7	93	20	1.83	T.	9	15	8	8
1932	53.8	86	20	5.31	T.	11	10	7	14
1933	51.6	90	11	1.91	T	8	16	9	6
1934	51.8	84	11	1.46	0.6	6	17	7	7
1935	53.0	89	16	2.77	T.	9	16	8	7
1936	54.0	87	11	3.69	T.	11	13	6	12
1937	50.6	89	12	5.84	0.1	14	8	8	15
Period	52.5	99	9	3.26	0.2	9	13	8	10

Climatological Data for October, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	No. of days Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Atlantic Drainage.																				
Allentown	Lehigh	254	25	52.4	−0.5	78	2†	25	17	40	3.73	+0.18	0.82	0	11	17	11	3	ne.	John A. Frick.
Altoona	Blair	1,615	50	48.2	−3.9	84	6	22	25	31	6.98	+3.79	1.49	T.	15	6	6	19	w.	John J. Martin.
Ardmore	Montgomery	350	17	52.6	−2.5	78	2	30	17†	33	5.30	+2.15	1.87	T.	11	8	7	16	......	H. L. Balderston.
Arendtsville	Adams	700	15	50.6	−3.5	85	6	25	25	36	8.96	+5.26	1.65	T.	12	13	5	13	nw.	Harold J. Miller.
Bedford	Bedford	1,060	5	49.7	......	81	2	22	17†	36	6.23	......	1.33	T.	14	9	4	18	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	54.0	−1.6	79	6†	28	17	32	3.15	−0.20	1.50	0	7	12	4	15	nw.	Lehigh University
Carlisle	Cumberland	467	71	52.0	−0.9	82	6	23	17	37	6.17	+2.78	1.58	0	13	13	5	13	nw.	Prof. C. E. Miller.
Center Hall	Center	1,272	41	49.6	−2.2	80	6	21	17	39	6.68	+3.68	1.68	0	13	9	4	18	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	51.7	−1.5	82	6	25	25	34	6.61	+3.54	1.66	0	14	9	9	13	nw.	William B. Spear.
Clearfield	Clearfield	1,120	30	49.4	−3.1	86	6	20	25	42	6.55	+3.16	1.15	T.	18	7	9	15	nw.	E. W. Hess.
Coatesville	Chester	380	50	51.8	−2.3	79	2	25	17	39	7.21	+3.85	2.25	T.	12	7	7	17	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	50.4	−1.9	76	6	22	25	31	7.84	+4.32	3.36	T.	12	11	6	14	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	48.2	−1.8	87	6	12	17	45	6.05	+2.82	0.96	T.	20	9	5	17	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	53.4	−1.2	83	6	25	17	35	7.18	+4.08	2.69	T.	12	10	9	12	ne.	Ira J. Keath
Freeland	Luzerne	1,970	44	46.0	−1.5	72	6	24	15	24	9.50	+5.21	3.61	T.	13	4	2	25	w.	Andrew B Evansha
George School	Bucks	190	31	54.1	−1.2	81	2	25	17	39	7.00	+3.30	1.62	0	9	17	4	10	s.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	53.6	+0.3	82	2†	26	25	35	7.67	+4.27	2.39	0	16	13	8	10	nw.	Dr Henry Stewart
Gordon	Schuylkill	840	33	49.2	−1.5	78	6	19	17	34	9.33	+5.01	4.50	T.	8	12	8	11	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Ronald H. Marshall.
Hamburg	Berks	535	44	51.4	−2.1	76	1†	26	17†	38	7.53	+3.56	3.20	0	11	12	11	8	w.	State Sanatorium.
Hanover	York	600	33	54.3	−1.9	81	2†	28	17†	36	7.48	+4.54	2.66	T.	13	13	7	11	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	52.8	−2.0	80	6	31	25	26	6.76	+3.83	2.05	T.	12	5	12	14	w.	U. S. Weather Bureau
Hawley	Wayne	900	19	47.4	−1.9	80	6	16	17	39	5.26	+1.90	1.30	2.0	14	15	6	10	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	54.1	−2.5	81	2	32	25	28	6.01	+3.20	2.66	T.	13	14	6	11	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	50.1	−2.6	86	6	21	17	37	5.59	+2.52	1.29	T.	12	6	8	17	w.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	50.0	−3.3	84	2	20	25	45	7.21	+4.43	2.13	T.	13	12	7	12	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,637	6	46.1	......	82	6	23	14†	33	6.12	......	1.27	1.3	19	6	7	18	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	52.3	−1.2	82	2	22	17†	45	5.78	+2.69	2.20	T.	12	14	7	10	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	40	48.0	−2.6	87	6	17	17	41	5.20	+2.37	2.05	T	11	7	7	17	......	C. P. Darling.
Lebanon	Lebanon	469	53	51.8	−1.9	81	6	24	17	34	7.03	+3.64	2.61	T.	12	11	7	13	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	51.0	−2.6	82	6	24	17	34	5.87	+2.74	1.34	T.	19	5	12	14	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	11	57.6	−1.8	80	19	34	14	31	4.62	+2.21	1.42	0	10	17	2	12	ne.	Sun Oil Co.
Mifflintown	Juniata	445	34	51.2	−1.8	83	6	23	25	36	5.83	+2.57	1.91	0	11	11	11	9	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	43.8	−4.4	73	6	18	25	29	10.40	+5.72	3.60	T.	9	6	6	19	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	47.7	−2.3	76	6	19	17	38	6.65	+3.04	2.52	T.	12	12	10	9	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	52.8	−1.1	79	2†	23	17	44	7.72	+3.70	3.19	0	11	14	5	12	e.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	50.5	−1.3	76	6	21	17	36	6.97	+3.58	3.27	T.	13	9	10	12	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	55.0	−2.8	79	2	35	15	27	5.24	+2.43	1.97	0	13	8	9	14	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	54.2	−0.8	80	2	22	17	40	4.79	+1.17	1.31	T.	9	11	12	8	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	196	52	51.6	−0.5	76	2	18	17	40	4.23	+0.31	1.51	T.	9	10	8	13	nw.	John E. Benner.
Reading	Berks	273	67	54.0	−0.7	79	2	31	17	26	5.37	+2.25	2.30	T.	12	7	8	16	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	49.6	......	79	5	21	17	37	6.65	......	2.45	......	13	8	7	16	n.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	50.4	−1.4	79	6	24	17	34	6.02	+2.99	2.38	T.	16	5	12	14	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	47	50.5	−2.4	80	6	25	17†	37	6.70	+3.13	1.83	0	17	3	4	24	w	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	54.8	−1.3	78	2	30	25	35	5.41	+2.16	1.52	0	9	7	11	13	s.	W. S. Guiles.
Shippensburg	Cumberland	660	4	52.4	......	81	6	25	25	30	8.49	......	2.02	T.	15	5	8	18	w.	State Teachers College
State College	Center	1,217	53	48.7	−2.5	74	1	24	16	31	6.53	+3.51	1.56	T.	16	10	7	14	w	C. A. Kern.
Stroudsburg	Monroe	500	23	49.6	−2.2	79	6	20	17	42	5.16	+1.42	1.86	0	9	15	5	11	w.	State Teachers College
Towanda	Bradford	754	43	49.5	−1.3	81	6	19	17	41	6.11	+3.20	3.14	T.	14	5	8	18	n.	Mrs .M. Ordella Parks.
Wellsboro	Tioga	1,419	67	45.8	−3.1	80	6	16	17	37	4.86	+1.83	1.81	T	14	14	6	11	n.	George W. Hill.
West Chester	Chester	455	88	53.8	−0.8	81	2	28	15†	33	5.79	+2.17	1.46	T.	11	15	8	8	nw.	Harlan Saylor.
Williamsport	Lycoming	521	51	50.3	−2.4	81	6	22	17	34	6.42	+3.20	1.52	T	13	7	4	20	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	50.6	−2.7	80	6	26	25	35	7.51	+3.80	2.98	T.	12	11	5	15	se	Susquehanna Collieries Co
York	York	400	49	52.6	−1.6	79	2†	23	17	34	7.22	+4.18	2.51	0	13	14	9	8	nw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	46.7	−2.1	85	6	19	17	42	5.01	+1.74	0.97	0.3	19	6	8	17	......	Frank S. Fawcett.
Butler	Butler	1,077	23	52.3	−0.6	85	6†	24	14	39	4.79	+1.92	1.05	T.	10	7	6	18	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	49.6	−2.9	85	6	20	14	35	5.54	+2.03	1.40	T.	17	9	4	18	se.	John E. Lewis.
Clairton	Allegheny	1,020	5	49.1	......	84	6	24	16	31	3.87	......	0.57	T.	12	6	5	20	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	32	52.2	−1.9	89	1	22	14	41	4.69	+1.44	1.01	T	16	11	4	16	n.	J. L. Melvin.
Corry	Erie	1,430	24	47.8	−1.4	84	1	23	17	37	4.74	+0.68	1.40	1.0	18	9	9	13	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	45.1	......	83	6	15	16	40	5.58	+2.16	1.12	T.	17	8	6	17	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	40	52.8	−1.2	87	6	24	16	37	6.81	+3.57	2.60	T.	16	9	9	13	sw.	Ted R. Wineman.
Donora	Washington	762	11	53.8	−1.8	87	1†	30	15†	31	5.11	+2.23	1.00	0	17	6	12	13	sw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	20	47.4	−2.5	81	1†	22	25	41	5.84	+2.52	1.46	T.	15	9	11	11	w.	D. H. Jones.
Franklin	Venango	957	63	47.1	−4.1	83	6	25	17†	43	3.29	0.00	1.00	T.	15	1	2	28	s.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	51.6^a	−2.5	84^a	6	25^a	16	34^a	5.03	+2.11	1.38	0.1	17	5	9	17	sw.	Westmoreland Water Co
Greenville	Mercer	950	41	50.4	−0.8	84	1	27	9	37	4.63	+1.11	1.62	T	14	6	7	18	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	49.6	−2.4	78	1†	29	25†	29	3.91	+0.74	1.12	0.3	18	9	9	13	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	51.2	−2.7	85	6	22	16	36	5.01	+2.14	1.00	T.	18	13	7	11	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	51.0	−2.7	87	1	26	17†	44	6.26	+3.00	1.63	T.	16	5	11	15	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	5	45.9	......	83	6	18	16	34	6.35	......	1.01	T.	17	5	4	22	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	45	52.2	−2.1	85	3	27	14	38	7.19	+3.79	2.70	T.	17	5	3	23	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	47.4	−3.4	81	1	27	9	35	3.75	−0.02	1.67	T.	14	5	12	14	se.	Paul F. Coy
Midland	Beaver	691	....	52.0	......	82	6	27	14	30	4.08	......	0.91	T	17	5	10	16	se.	Perry P. Campbell
New Castle	Lawrence	808	57	49.4	−2.9	82	7	26	31	38	3.54	+0.74	0.94	0.1	25	7	14	10	s.	New Castle Water Co.
Newell	Fayette	800	17	53.0	−2.1	83	7	29	15	32	5.00	+2.44	0.75	0	15	8	14	9	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	50.1	−5.6	85	6	27	16	32	3.73	+1.21	0.69	T	14	3	6	22	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	46.6	−2.2	83	6	18	17	40	5.02	+1.89	0.72	......	19	5	4	22	se.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	46.4^a	−3.1	79^b	2	20	25	34^b	8.22	+5.02	2.95	1.5	18	7	10	14	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	24	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Harry H. Gerber.
Somerset	Somerset	2,190	70	46.1	−3.3	78	1	16	25	42	6.18	+2.97	2.37	0.5	17	3	9	19	se.	D. L. Grove.
Uniontown	Fayette	1,100	49	53.4	−1.4	87	2	25	15†	37	6.30	+2.93	2.44	T.	20	9	10	12	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	41.5	−2.5	89	6	26	17	36	4.36	+1.37	0.75	T	11	14	12	5	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	48	50.5	−0.3	76	1	29	16†	28	5.32	+1.80	0.80	0.9	21	8	2	21	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	52.7	......	88	2	23	16	42	5.92	......	1.50	T.	13	1	19	11	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	49.8	−3.6	79	1	32	24	23	3.75	+0.06	1.47	2.8	15	4	12	15	s.	U. S. Weather Bureau.
For the State		......	50	50.6	−1.9	89	1†	12	17	45	5.84	+2.58	4.50	0.1	14	8	8	15	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-12-2-37-1050.

Daily Precipitation for October, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh	....	....	T.	T.	....	.06	T.	....	....	.09	.02	....	T.	....	....	....	....	....	.70	.82	.16	T.	.81	.22	.05	....	....	.78	.02	....	....	3.73
Altoona	Juniata	....	....	T.	.09	.66	....	....	....	.10	.40	T.	....	.09	....	....	....	....	.40	.64	.32	T	.45	.80	.02	....	.14	.86	1.49	.52	....	....	6.98
Ansonia‖	W. Br. Susq	....	....	....	.02	....	.14	.04	T.	T.	.33	....	....	.09	....	T.	....	....	....	.38	.45	.08	.12	1.05	39	....	....	.65	.17	1.04	....	....	4.95
Ardmore‡	Lower Del	....	....	T.	....	.68	T.	....	....	.04	.26	....	....	.16	....	....	....	....	.04	1.06	.39	....	.38	.42	T.	....	....	1.10	.77	....	....	....	5.80
Arendtsville	Lower Susq	....	....	....	1.16	.53	....	....	....	.57	T.	T.	....	.01	....	....	....	....	1.19	1.62	T.	.03	1.65	.31	....	....	.04	1.65	.20	....	....	....	8.96
Baker's Summit	Juniata	....	....	.10	.23	.66	.02	....	....	.18	.32	....	.02	.07	....	....	....	....	.08	.46	.61	....	.04	.69	....	....	.04	.63	1.38	.42	....	....	5.95
Bedford	Juniata	....	....	.19	.36	.64	....	....	....	.26	.46	....	.02	.02	T.	....	....	....	.08	.50	.60	T.	T.	.55	T.	....	T.	.67	1.33	.55	....	....	6.23
Bellefonte	W. Br. Susq	....	....	.21	.11	.15	....	.13	T.	.20	.20	....	.08	....	....	....	....	....	.53	.51	.41	.07	.27	1.18	T.	....	.04	.62	1.04	.34	....	....	6.09
Bethlehem	Lehigh	....	....	T.	....	T.	....	....	....	....	.16	....	....	T.	....	....	....	....	....	.78	.72	....	....	.73	.03	....	....	....	.72	.01	....	....	3.15
Big Knob	Middle Susq	....	....	.01	.07	.10	.26	....	....	....	.22	....	T.	.03	....	....	....	....	....	.50	1.10	.03	.01	1.04	.20	....	....	.53	1.42	.56	....	....	6.08
Bloserville‡‡	Lower Susq	....	....	.02	T.	.60	....	....	....	....	.55	....	.02	....	....	....	....	....	....	1.90	.64	.05	..	1.20	....	....	T.	....	2.52	....	....	....	7.50
Buffalo Mills‖	Juniata	....	....	....	.49	.15	.70	....	....	....	.66	....	....	.04	....	....	....	....	....	.46	.62	....	....	.32	....	....	....	.26	2.00	1.06	....	....	6.76
Carlisle	Lower Susq	....	....	.04	.18	.48	.01	....	....	.08	.29	....	.01	T.	....	....	....	....	T.	1.42	.45	....	T.	1.58	....	....	T.	.32	1.19	.12	....	....	6.17
Catawissa	N. Br. Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Center Hall	Susquehanna	....	....	....	.08	.14	....	....	....	.14	.46	....	.27	.18	....	....	....	....	....	....	.42	1.68	....	.80	.85	....	.03	.74	.89	....	....	....	6.68
Chambersburg	Potomac	....	....	.17	.26	.74	.06	....	....	.19	.45	....	....	.02	....	....	....	....	T.	1.66	.31	....	.02	.98	....	....	.01	.93	.81	....	....	....	6.61
Clearfield	W. Br. Susq	....	.11	....	.20	.51	....	T.	T.	.25	.41	T.	.20	.25	....	....	....	....	.27	1.15	.26	.05	.26	.74	.07	....	.74	.62	.36	.10	....	....	6.55
Coatesville	Lower Del	....	....	....	.01	.63	.03	....	....	.09	.09	....	....	.06	....	....	....	....	....	1.58	.89	....	....	2.25	....	....	....	.45	1.11	.02	....	....	7.21
Colebrook	Lower Susq	....	....	T.	.12	.14	.04	....	....	.13	.08	....	....	....	....	....	....	....	.01	3.36	.30	....	T.	2.46	T	....	....	.68	.48	.04	....	....	7.84
Conshohocken	Schuylkill	....	....	T.	....	....	.87	....	....	T.	.35	....	....	.06	....	....	....	....	....	.31	.82	....	....	.63	.01	....	....	.01	1.57	.61	....	....	5.24
Doylestown	Lower Del	....	....	.01	....	....	.80	T.	....	....	.24	....	....	.03	....	....	....	....	....	.89	1.10	....	T.	1.09	.03	....	....	....	1.01	....	....	....	5.20
Du Bois	W. B. Susq	....	....	.02	T.	.48	.01	....	T.	.12	.25	.05	.07	.43	.01	....	....	....	.30	.55	.22	.02	.24	.68	.02	....	.11	.34	1.21	.18	....	....	5.31
Emporium	W. Br. Susq	....	....	.01	....	.70	.05	.25	.06	.27	....	....	.05	.20	T	.01	....	....	.47	.67	.28	.03	.27	.96	.01	....	.13	.59	.81	.23	....	....	6.05
Ephrata	Lower Susq	....	....	T.	.05	.14	.03	....	....	05	.12	....	T.	T	....	....	....	....	....	2.27	.73	....	....	2.69	.03	....	....	.32	.68	.07	....	....	7.18
Forest City	N. Br. Susq	....	....	....	.05	....	.25	....	....	....	.20	.13	....	.71	....	....	.16	....	....	....	.96	.33	....	1.94	.54	T	....	....	....	69	....	....	5.96
Fredericksville	Schuylkill	....	....	.04	....	T.	.20	....	....	....	.12	....	....	....	....	....	....	....	T.	1.78	.61	....	T.	1.74	.03	....	....	T.	1.02	T.	....	....	5.54
Freeland‖	Lehigh	....	....	.01	T.	.08	..	....	T.	....	.25	.04	....	12	....	T	....	....	....	.48	2.00	.28	.01	3.61	.44	T.	....	T.	1.32	.86	....	....	9.50
Galeton	N. Br. Susq	....	....	T.	....	.22	.08	.06	.17	....	.30	....	.0[illegible]	.08	.03	.02	....	....	.39	.58	.40	.02	.27	1.36	.01	..	.11	.36	.83	.39	....	....	5.67
George School	Lower Del	....	....	....	....	....	.65	....	....	....	.36	....	....	.07	....	....	....	....	....	.29	1.48	....	....	1.20	.02	....	....	....	1.31	1.62	....	....	7.00
Gettysburg	Potomac	....	....	.09	.37	.69	.02	....	....	.15	.28	.03	....	09	T.	....	....	....	.01	2.39	.55	....	.01	1.46	....	....	....	.38	1.12	.03	....	....	7.67
Girardville‖	Lower Susq	....	....	T.	....	.11	....	....	....	.22	02	....	.13	....	.02	....	....	....	.50	2.07	.22	....	3.26	.33	....	....	.03	.75	.23	....	....	....	7.89
Gordon	Lower Susq	....	....	....	....	.12	....	....	....	....	.22	....	....	....	T.	....	....	....	....	1.56	1.44	....	....	4.50	....	....	....	.02	1.22	.25	....	....	9.33
Gouldsboro‡	Lehigh	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Graterford	Schuylkill	....	....	T.	....	.14	....	....	....	....	.17	.03	....	....	....	....	....	....	....	1.18	1.62	....	....	.24	.06	....	....	....	.64	....	....	....	4.08
Hamburg	Schuylkill	....	....	.01	....	.13	.02	....	....	....	.12	.01	....	.04	....	....	....	....	....	3.20	.80	....	....	2.50	....	....	....	.01	.67	....	....	....	7.53
Hanover	Lower Susq	....	....	.06	.27	.15	.02	....	....	.19	.15	....	....	.06	....	....	....	....	T.	2.66	.80	T	....	2.27	T.	....	....	.22	.57	.06	....	....	7.48
Harrisburg***	Lower Susq	....	....	T.	.03	.57	....	T.	T.	.15	.11	....	T.	T.	....	....	....	....	.42	1.64	.53	T.	.35	1.63	T.	....	T.	.49	.77	.07	....	....	6.76
Hawley‖	Upper Del	....	....	....	.01	....	.09	....	T.	....	.44	.06	....	.32	....	T.	....	....	....	.12	.60	.31	.01	1.30	.57	.01	....	....	.37	1.05	....	....	5.26
Hollisterville	Upper Del	....	....	....	.01	T	.01	....	....	T.	.42	.03	....	.31	....	....	....	....	....	.13	.68	....	T.	2.30	.37	.03	....	....	.52	1.05	....	....	5.86
Holtwood‡‡	Lower Susq	....	....	....	.05	.09	.26	....	....	....	.10	.01	....	T.	.05	....	....	....	....	.48	1.10	.19	T	2.55	.11	....	....	....	.98	.04	....	....	6.01
Huntingdon	Juniata	....	....	T.	.06	.36	....	....	....	T.	.43	T.	....	.05	T.	....	....	....	T.	.65	.31	T.	.58	1.29	T.	....	.06	.69	.73	.38	....	....	5.59
Hyndman	Potomac	....	....	.31	.37	.80	.90	.34	....	....	....	....	....	....	T.	....	....	....	.08	.64	.51	....	.02	10	T.	....	....	.70	2.13	.31	....	....	7.21
Kylertown	W. B. Susq	....	....	.03	T.	.25	T.	T.	.02	.17	.30	.01	.11	.18	T.	....	....	....	.52	.32	.36	.04	.39	1.13	.05	....	.11	.76	1.27	.10	....	....	6.12
Lakeville‖	Upper Del	....	....	....	.06	....	....	....	....	....	.45	T.	....	.32	T.	....	....	....	....	.10	.70	.35	T.	1.65	.66	....	....	....	.39	1.00	....	....	5.68
Lancaster	Lower Susq	....	....	.02	.05	.11	....	....	....	.05	.15	....	....	.03	....	....	....	....	....	1.52	.63	....	....	2.20	T.	....	....	.20	.76	.06	....	....	5.78
Lansford‖	Lehigh	....	....	T.	....	....	.32	....	....	....	.27	T.	....	....	....	T.	....	....	....	.95	2.74	.17	....	4.00	.43	T.	....	....	.83	.11	....	....	9.82
Lawrenceville	N. Br. Susq	....	....	T.	....	....	.10	....	T.	....	.30	....	.05	..	T.	....	....	....	T.	.10	.55	....	.05	2.05	....	....	.10	.50	.90	.50	....	....	5.20
Lebanon	Lower Susq	....	.01	.04	T.	.12	....	....	....	.12	.02	....	T.	....	....	....	....	....	.80	1.65	.17	....	....	2.61	.13	....	....	1.30	.06	....	....	....	7.03
Lehighton‖	Lehigh	....	....	....	....	T.	.20	....	....	....	.16	.01	....	.09	....	T.	....	....	....	1.15	1.89	.22	T	2.30	.65	....	....	....	.88	....	....	....	7.55
Lock Haven	W. Br. Susq	....	....	.01	....	.32	.05	.02	.03	.01	.34	....	.01	.18	.03	....	....	....	.05	.58	.76	T.	.11	1.34	....	....	.10	.36	1.28	.29	....	....	5.87
Marcus Hook	Lower Del	....	....	....	....	*	.59	....	....	....	*	.33	....	.11	....	....	....	....	....	*	1.36	....	....	*	.70	....	....	....	1.42	.11	....	....	4.62
Matamoras‖	Upper Del	....	....	....	....	....	.06	....	....	....	.37	....	.15	....	....	....	....	....	....	.12	.93	.34	....	.92	.98	....	....	....	.47	.13	....	....	4.47
Mauch Chunk	Lehigh	....	....	....	....	T.	.33	....	T.	....	.20	....	....	.10	T.	....	....	....	....	3.10	.89	....	....	.30	....	....	....	....	1.03	....	....	....	5.95
Mifflintown	Juniata	....	....	.04	.11	.37	....	....	....	.30	....	....	.08	....	....	....	....	....	*	1.22	.57	....	....	1.15	....	....	.08	....	1.91	....	....	....	5.83
Montrose	N. Br. Susq	....	....	....	....	.23	.17	....	....	....	.32	..	.12	.37	.02	....	....	....	05	.39	.78	....	....	3.87	....	....	....	....	.62	.12	....	....	7.06
Morris Run	N. Br. Susq	....	T.	T	.13	.12	.11	.04	.09	....	.31	....	.03	.27	.04	.03	....	....	.03	.28	.67	.02	.25	1.90	....	....	.10	.13	.96	.65	....	....	6.16
Mount Pocono	Upper Del	....	....	....	....	1.00	.50	....	....	T.	1.10	....	....	.60	T	....	....	....	....	2.10	*	....	....	.90	60	....	....	....	3.60	....	....	....	10.40
Muncy Valley	W. Br. Susq	....	....	T.	....	.39	.13	....	T.	....	.42	....	.10	.38	T.	....	....	....	....	1.22	.41	....	.14	2.52	T.	....	T.	.12	.64	.18	....	....	6.65
Neshaminy Falls‖	Lower Del	....	....	T.	....	.85	T.	T.	....	.07	.37	....	....	.07	....	....	....	....	....	1.12	.72	....	.41	.89	.03	....	....	.83	2.36	....	....	....	7.72
New Bloomfield	Juniata	....	....	.01	T.	.27	T.	....	....	.01	.30	....	T.	.05	....	....	....	....	.02	1.34	.44	....	.01	1.67	..	....	T.	.62	1.33	.11	....	....	6.18
New Park	Lower Susq	....	....	....	.62	....	....	....	....	.12	....	....	....	.06	....	....	....	....	....	2.00	.47	....	....	2.87	T	....	....	.50	.52	....	....	....	7.16
Newport‖	Juniata	....	....	....	.10	.08	.10	....	....	....	.32	....	....	.15	....	....	....	....	....	.50	1.15	.15	.03	1.65	.38	....	....	.08	1.30	.60	....	....	6.59
Palmerton‡	Lehigh	....	....	....	....	.19	.01	....	....	.03	.09	....	....	.03	.01	....	....	....	.18	3.27	.30	....	.50	1.62	....	....	....	.30	.44	....	....	....	6.97
Paupack‖	Upper Del	....	....	....	....	....	.09	....	....	....	.39	....	....	.39	....	....	....	....	....	.08	.50	.18	....	1.85	.90	....	....	....	.80	.60	....	....	5.78
Philadelphia***	Lower Del	....	....	T.	....	.84	.01	T.	....	.06	.32	....	....	.08	....	....	....	....	.01	.71	.38	....	.43	.23	.01	....	....	1.16	1.00	....	....	....	5.24
Phila. Navy Yard‡	Lower Del	....	....	....	....	.60	.20	T.	....	*	*	....	....	.15	....	....	....	....	.01	.90	.70	....	.40	.25	*	....	....	.70	1.08	.10	....	....	5.09
Phila-P'nt Breeze‡	Lower Del	....	....	....	T.	....	.79	....	....	.06	.29	....	....	.09	....	....	....	....	....	.26	1.04	....	....	....	.68	T.	....	....	1.32	.68	....	....	5.21
Phoenixville	Schuylkill	....	....	T.	.02	....	.48	T.	....	....	.38	....	....	.04	....	....	....	....	....	.77	.77	....	....	.98	T	....	....	....	1.31	.04	....	....	4.79
Pine Grove	Lower Susq	....	....	....	....	.32	....	....	....	.10	.15	....	.02	.03	....	....	....	....	.60	2.00	.63	....	.50	2.90	....	....	....	.40	.75	.16	....	....	8.56
Pleasant Mt.‖	Upper Del	....	....	....	....	.27	....	....	....	.11	....	.31	.43	....	.03	....	....	....	....	....	1.77	.03	....	2.43	....	....	....	....	....	.37	....	....	5.75
Pottstown	Schuylkill	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pottsville	Schuylkill	....	....	T.	....	.03	.25	....	T.	....	.24	....	....	T.	....	....	....	....	....	3.50	.64	....	....	3.56	T	....	....	....	.86	.16	....	....	9.24
Quakertown	Lower Del	....	....	T.	....	T	.29	....	....	....	.16	.06	....	....	....	....	....	....	....	1.51	.53	....	....	66	.06	....	....	....	.92	.04	....	T	4.23
Reading***	Schuylkill	....	T.	T.	T.	.07	T	T.	....	.03	.09	....	....	T	....	....	....	....	.06	1.51	.35	....	.49	1.81	.03	....	....	.60	.30	.03	....	....	5.37
Renovo‖	W. Br. Susq	....	....	....	....	.03	.13	....	....	....	.30	....	....	.32	....	.04	....	....	....	.56	.53	....	.18	.94	.22	....	....	.32	.30	1.21	....	....	5.08
Retreat	N. Br. Susq	....	....	....	.08	....	T.	....	....	....	.29	....	.37	....	.01	....	....	....	.26	1.49	.35	....	.03	2.45	05	....	....	.26	.87	.14	....	....	6.65
cranton***	N. Br. Susq	....	....	.04	....	.05	....	.01	T.	.08	.12	....	.42	.01	T.	T.	....	....	.04	.92	52	....	.18	2.20	T	....	.01	.08	1.30	.04	....	....	6.02
elinsgrove	Lower Susq	....	....	.36	.01	.48	.04	.10	....	.02	.34	....	....	.30	.03	....	....	....	....	.83	.63	....	.04	1.83	....	....	.03	.12	1.30	.24	....	....	6.70
hawmont	Schuylkill	....	....	.01	....	....	.79	....	....	....	.22	....	....	.10	....	....	....	....	....	.51	96	....	....	.76	....	....	....	T.	1.52	.54	....	....	5.41
hippensburg	Lower Susq	....	....	.10	.28	.53	.08	....	....	.15	.35	T	.02	....	....	....	....	....	.01	1.78	.37	.03	....	1.00	T	....	T.	2.02	1.69	.08	....	....	8.49
tate College	W Br. Susq	....	....	T.	.02	.37	T.	....	T.	.25	.14	..	.02	.07	T.	....	....	....	.35	.57	52	.06	.11	1.56	T	....	.08	.77	1.07	.57	....	....	6.53
troudsburg‖	Upper Del	....	....	.03	....	....	.07	....	....	....	.26	....	....	.13	....	....	....	....	....	.54	1.86	....	....	57	....	....	....	....	.67	.03	....	....	5.16
unbury‖	Lower Susq	....	....	T.	T.	T.	.19	.05	....	....	.32	.02	....	.32	..	T	....	....	....	.31	.73	.18	.02	1.87	38	T	..	.06	.91	.78	T	....	6.14
usquehanna‖	N. Br. Susq	....	....	....	....	....	.16	.07	.07	....	.20	T	..	.35	....	.04	....	....	....	.17	.36	23	.02	1.27	1.12	.01	....	T.	.06	.60	....	....	4.73
owanda	N. Br. Susq	....	....	.36	T	.11	.07	T.	T	.01	.22	....	.29	.06	T.	T.	....	....	T.	.04	.43	.01	T	3.14	....	....	T.	.13	1.00	.24	....	....	6.11
Weikert	Lower Susq	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wellsboro	N. Br. Susq	....	....	T.	....	.10	.06	....	T.	T	.33	....	.05	....	T	....	....	....	.01	.22	.29	.04	.04	1.81	....	....	.08	.49	1.02	.32	....	....	4.86
West Chester	Lower Del	....	....	T	T.	.33	.17	....	....	.08	.21	....	....	.08	....	....	....	....	....	1.12	.84	....	....	1.20	.01	....	....	.29	1.46	....	....	....	5.79
Westgrove‖	Lower Del	....	....	....	.08	.02	.64	T.	....	....	.18	T.	T.	T.	....	....	....	....	....	.58	1.25	.18	....	1.84	.18	T.	....	....	.41	.04	....	....	5.40
Wilkes-Barre‖	N. Br. Susq	....	....	....	.20	....	.02	....	T.	....	.06	.13	....	42	....	....	....	....	....	.29	1.01	....	.27	1.73	.12	T.	....	....	.31	.80	....	....	5.36
Williamsport‖	W. Br. Susq	....	....	.01	T.	T	.25	....	T.	....	.36	....	....	.39	....	T	....	....	....	.51	.72	.12	.16	1.52	.38	T.	....	.25	.61	1.14	....	....	6.42
Williamstown	Lower Susq	....	....	....	.01	.09	.15	....	....	T	.14	....	....	.08	T	....	....	....	....	1.33	1.12	....	.02	2.98	02	....	....	T.	1.40	.17	....	....	7.51
ork	Lower Susq	....	....	.02	.22	.18	.04	....	....	.22	.18	....	....	.04	....	....	....	....	....	2.38	.53	....	....	2.51	....	....	....	.25	.60	.05	....	....	7.22
ork Haven‖	Lower Susq	....	....	....	.08	.12	.18	....	....	....	.26	....	....	....	....	....	....	....	....	1.38	1.80	.08	....	1.96	.15	....	....	....	.97	....	....	....	6.98
ionsville..(near)	Schuylkill	....	....	....	....	T.	.35	....	....	....	.15	.02	....	....	....	....	....	....	....	2.00	.45	....	....	.96	....	....	....	....	.85	....	....	....	4.78
renton, N. J***	Lower Del	....	T.	T.	....	1.00	T.	T.	....	.03	.24	....	....	.03	....	....	....	....	T.	.86	.54	T	.28	.21	.01	....	....	.72	.43	....	....	....	4.35

Continued on page 49

Daily Precipitation for October, 1937—Continued from page 48

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	....	....	....	T.	.10	.35	.06	....	....	.25	....	....	.66	....	T.	....	....	T.	.56	.03	T	.15	.44	.01	T.	T.	.12	.22	.03	....	....	2.98
Blairsville	Allegheny	....	....	....	.02	.09	.80	....	....	....	.03	.47	....	.16	T.	....	....	....	....	.75	.17	.14	.15	.27	.77	T.	.02	.34	1.01	1.24	....	....	6.43
Bradford	Allegheny	....	....	....	....	.40	.08	....	.25	....	.18	....	.02	.10	.09	.05	....	....	.52	.59	.55	....	.63	.66	.03	....	.11	.52	.39	....	....	....	5.17
Brookville‖‖	Allegheny	....	....	....	.02	.32	.40	.02	....	....	.26	.07	.15	.23	....	.03	....	....	....	.97	.01	.26	.15	.56	.13	.03	.04	.61	....	.75	....	....	5.01
Butler	Ohio	....	....	T.	....	.68	.05	....	....	....	....	.25	....	.53	T.	T	T.	T.	1.05	....	.15	....	....	.90	T.	....	.13	.60	.45	....	....	....	4.79
Chambersville	Allegheny	....	....	....	....	.80	....	....	....	.18	.18	.03	.12	.24	T.	....	....	....	.51	.26	.12	.04	.33	.45	.04	....	.11	.66	1.40	.07	....	....	5.54
Clairton‡	Monongahela	....	....	....	....	.64	....	....	....	.40	.05	....	....	.06	T.	....	....	....	.55	.01	....	.23	.50	.08	T.	....	.31	.57	.47	....	....	....	3.87
Clarion	Allegheny	....	....	....	.04	.79	.02	....	....	....	.21	....	.15	.27	.03	....	....	....	....	1.03	.15	.01	.18	.62	.04	.01	.04	.54	.52	.40	....	....	5.05
Claysville	Ohio	....	....	.13	.09	.16	....	....	....	.21	.23	.03	....	.15	T.	....	....	....	.49	.07	.15	T.	.72	.36	.01	....	.08	.80	1.01	....	....	....	4.69
Confluence‖‖	Youghiogheny	....	....	....	.50	.10	.82	.15	....	....	.50	.05	....	....	....	T.	....	....	....	.55	.18	.05	....	.55	.10	.10	....	.29	1.29	.78	....	....	6.01
Connellsville	Monongahela	....	....	....	.18	.04	.35	....	....	....	.51	....	T.	.48	T.	T.	....	....	....	.31	.08	.03	T.	.83	.06	T.	T.	.61	1.54	1.06	....	....	6.08
Corry	Allegheny	....	....	....	....	.50	.16	....	.20	....	.12	.19	.05	.10	.19	.10	....	....	1.40	.35	.23	....	.33	.35	.13	....	.03	.30	.01	....	....	....	4.74
Coudersport	Allegheny	....	....	....	....	.43	.08	.02	.06	....	.25	....	....	.08	.05	....	....	....	.49	.85	.43	....	.44	1.12	.02	....	.11	.39	.65	.11	....	....	5.58
Derry	Conemaugh	....	....	.03	....	.83	....	....	....	.14	.33	....	....	.15	T.	....	....	....	.25	.30	.13	.02	.42	.60	.04	....	.02	.72	2.60	.23	....	....	6.81
Donora‖‖	Monongahela	....	....	.01	.14	.28	....	....	....	T.	.42	....	T.	.16	.01	....	....	....	.08	.52	.04	.03	.90	.58	.02	....	.04	.45	1.00	.43	....	....	5.11
Ebensburg	Conemaugh	....	....	....	.03	.15	.48	....	....	T.	.40	.12	....	....	T.	.01	....	....	....	.96	.35	.02	.07	.48	T.	.05	....	.08	1.46	1.18	....	....	5.84
Franklin‖‖	Allegheny	....	....	....	....	.08	.31	.03	....	....	.28	.04	.27	.15	T.	....	....	....	....	1.00	.02	....	.09	.62	....	....	.03	.19	.15	.03	....	....	3.29
Greensboro‖‖	Monongahela	....	....	....	.59	.03	....	.01	....	....	.59	....	.04	.30	.07	....	....	....	....	.34	.08	.01	T.	.54	.09	.02	....	.39	1.39	.80	....	....	5.29
Greensburg	Youghiogheny	....	....	T.	.15	.52	....	....	....	.23	.21	....	.05	.13	T.	....	....	....	.26	.19	.10	.02	.44	.49	.05	....	.05	.75	1.38	.01	....	....	5.03
Greenville	Beaver	....	....	....	....	.95	....	....	....	T.	.20	.05	....	.10	T.	.05	....	....	1.62	.25	.15	....	.48	.22	.12	....	.01	.36	.07	T.	....	....	4.63
Grove City	Beaver	....	....	T.	....	1.11	.04	....	....	.05	.21	....	.01	.06	.01	.01	....	....	1.12	.22	.05	....	.48	17	.04	....	.23	.06	.03	.01	....	....	3.91
Herrs Isl. Dam‖‖	Ohio	....	....	....	.08	.14	.80	T.	....	....	.44	.02	...	.09	....	T.	....	....	T.	.67	.07	.01	.20	.55	T.	T.	.01	.48	.59	.29	....	....	4.44
Irwin	Monongahela	....	....	.11	.08	.46	....	....	....	.28	.15	....	.02	.12	....	....	....	....	.50	.11	.17	.15	.55	.48	.04	....	.09	.66	1.00	.04	....	....	5.01
Johnstown	Conemaugh	....	....	.08	.02	.61	....	....	....	.43	....	....	.03	.03	.04	....	....	....	.54	.17	.28	T.	.54	.38	.03	....	T.	.56	1.63	.69	....	....	6.26
Kane (near) ‡‡	Allegheny	....	....	T.	....	1.01	.03	.12	.12	....	.23	....	T.	.12	.09	....	....	....	.75	.66	.42	T.	.55	.68	.06	T.	.26	.66	.48	.11	....	....	6.35
Kregar‖‖	Youghiogheny	....	....	.15	.12	.61	....	....	....	.66	....	.03	.39	....	T.	T.	...	....	.55	.04	.07	06	.84	.15	.03	....	.40	1.73	1.48	....	....	....	7.31
Lake Lynn‖‖	Monongahela	....	....	....	.64	.04	.22	.03	....	....	.53	....	.02	.17	.05	....	....	....	....	.27	.15	.03	....	.67	.12	.01	....	.42	1.66	.94	....	....	5.97
Linesville‖‖	Beaver	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lock No 2‖‖	Ohio	....	....	....	....	.16	.28	....	....	....	.34	....	....	.12	..	.01	..	....	T.	.76	.03	....	.22	.49	....	...	.02	.51	.52	.17	....	....	3.63
Lock No. 4‖‖	Monongahela	....	....	...	.39	T.	.39	T.	....	...	.43	....	.01	.21	....	T.	....	....	....	.55	.07	T.	.19	.56	.05	T.	T.	.39	.86	.50	....	....	4.60
Lock No. 5‡‡‖‖	Allegheny	....	....	..	.01	.30	.37	....	....	....	.31	.01	....	.34	....	....	....	....	....	.82	.02	....	.16	.54	....	T.	T.	.58	.47	.62	....	....	4.55
Lycippus	Conemaugh	....	....	.03	.20	.52	...	....	....	.18	.35	....	T.	.21	T.	....	....	....	.22	.32	.10	T.	.45	.72	.03	.08	.03	.75	2.70	.30	....	....	7.19
McKeesport‖‖	Monongahela	....	....	....	....	.20	.29	....	....	....	.43	....	....	....	....	....	....	....	....	.57	T.	....	.19	.44	....	....	...	.28	.47	.37	....	....	3.24
Meadville	Allegheny	....	....	...	T.	.14	.36	.02	....	T.	T.	.14	.09	.16	T.	.08	T.	....	....	1.67	.23	....	.10	.53	T.	T.	.05	.15	.03	T.	....	....	3.75
Midland	Ohio	....	....	...	.04	.38	.19	....	....	.11	.23	....	.18	.24	.02	....	....	....	.08	.88	.08	....	.19	.91	.01	....	.21	.17	.16	....	....	....	4.08
Mosgrove‖‖	Allegheny	....	....	...	T.	.25	.30	....	....	....	.28	....	....	.75	....	T.	....	....	....	1.00	.09	T.	.06	.73	.15	T.	....	.60	.42	.51	....	....	5.14
Mount Lebanon	Ohio	....	....	.04	T.	1.00	....	....	....	.43	.04	..	.07	....	T.	....	....	....	.63	.08	T.	.23	.73	.12	....	....	.29	.68	.70	....	....	....	5.04
Natrona‖‖	Allegheny	....	....	....	T.	.43	.40	T.	....	....	.37	....	....	.27	....	....	....	....	....	.85	.08	....	.20	.56	.03	T.	.01	.74	.51	.57	....	....	5.02
New Castle‖‖	Beaver	T.	T.	.01	.03	.57	.10	.01	.01	T.	.28	.01	.04	.27	.01	.01	T.	....	.28	.94	.03	.03	.29	.41	.03	.01	.03	.03	.06	.03	....	.02	3.54
Newell	Monongahela	....	....	.05	.40	.50	....	....	....	.05	.45	.10	....	.40	....	....	....	....	.20	.40	.10	....	.20	.75	....	....	....	.40	.70	.30	....	...	5.00
Parkers Landing‖‖	Allegheny	....	....	....	T.	.57	.56	.04	....	....	.25	....	....	.27	....	T	....	....	T.	1.00	.22	.05	.30	.60	.03	T.	.03	.49	.15	.13	....	....	4.69
Pennline‖‖‡‡	Beaver	....	....	....	....	.17	.66	....	....	....	.16	.19	.04	.10	T.	.31	.04	....	.32	2.22	.06	.02	.12	.65	.23	....	....	.36	.11	.04	...	....	5 80
Pittsburgh***	Ohio	....	....	.05	.05	.44	....	T.	....	.44	.02	T.	.06	T.	T.	T.	....	....	.56	.03	T.	.11	.68	.04	T.	T.	.11	.66	.48	....	....	....	3.73
Punxsutawney‖‖	Allegheny	....	....	....	.02	.20	.51	....	....	....	.40	.01	....	.53	....	....	....	....	....	.95	.18	T.	.18	.52	.09	.04	.02	.42	.54	.86	....	....	5.47
Ridgway	Allegheny	....	....	....	.02	.20	.30	.01	.04	T.	.21	.02	T.	.34	....	.03	....	....	....	.60	.22	....	.25	.63	.29	.07	.03	.78	.26	.72	....	....	5.02
Salisbury (near)	Youghiogheny	....	....	.64	.32	1.20	T.	.36	T.	.40	.20	.03	.02	.10	.01	T.	....	....	.30	.18	.23	T.	.31	....	.03	....	T.	.88	2.95	.06	....	....	8.22
Saltsburg‖‖	Conemaugh	..	....	....	.02	.10	.40	....	....	....	.45	.01	....	.13	....	....	....	....	....	.69	.07	T	.15	.65	.04	T.	.04	.35	.76	.94	....	....	4.80
Sharon‖‖	Beaver	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Smethport‖‖	Allegheny	....	....	....	T.	.05	T.	T.	.05	.08	.05	....	T.	..	T.	T	T.	....	T.	1.20	.40	T.	.10	1.05	.35	T.	T.	.52	.20	1.02	...	....	5.07
Somerset	Youghiogheny	....	....	.15	.10	.73	....	.02	....	.21	.29	..	.02	.24	....	....	....	...	.25	.27	.15	T.	.34	.41	.02	....	T.	.45	2.37	.16	....	....	6.18
Springdale‖‖‡‡	Allegheny	....	....	....	.01	.33	.46	....	....	....	.38	....	....	.12	....	....	....	....	....	.72	.11	.03	.30	.52	.02	.02	.03	.49	.50	.68	....	....	4.72
Uniontown	Monongahela	....	....	.18	.14	.35	....	.10	....	.38	.20	.03	.02	.50	T.	....	....	....	.08	.10	.02	.03	.25	.59	.01	....	.03	.80	2.44	.05	....	....	6.30
Unity Reservoir‡‡	Youghiogheny	....	....	.05	.11	.61	....	....	....	.24	.21	....	.04	.13	T.	..	....	....	.40	.05	.07	.01	.41	.56	.04	....	.04	.73	1.73	.01	....	....	5.44
Vandergrift‡	Conemaugh	....	....	.08	....	.55	....	....	....	....	.32	....	.20	....	T.	T.	....	....	.66	.20	....	....	75	.08	....	....	.19	.61	.72	....	....	....	4.36
Warren	Allegheny	....	....	....	....	.10	.05	....	.22	.06	.40	.05	....	.10	.10	.05	....	....	.80	.70	.42	.05	.40	.60	.20	.10	.24	.35	.18	.15	...	....	5.32
Waynesburg	Monongahela	....	....	.41	.38	.26	....	....	...	.34	....	....	....	.69	T.	....	....	....	.40	.06	....	.06	.41	.48	T	....	....	.93	1.50	....	....	....	5.92
Westford‖‖	Beaver	....	..	...	.60	....	....	....	....	.20	....	.14	.20	....	.20	.40	....	....	2.00	....	.10	.05	.68	.12	....	....	.14	.15	....	....	....	....	4.98
West Newton‖‖	Youghiogheny	....	....	....	.11	.03	.44	....	....	...	.42	....	....	.10	T.	....	....	....	....	.50	.04	....	.12	.58	.02	....	.01	.40	.58	.50	....	....	3.85
Lake Drainage.																																	
Erie***	Lake Erie	....	....	T.	....	.38	....	.04	....	.02	.19	T.	.16	T.	.06	T.	....	....	1.43	.04	.01	....	.62	.16	.25	..	.24	.07	.08	....	....	....	3.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox: of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
..	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.01	30.64	16	29.39	19	15.1	40	s.	18	76	65	71	28
Harrisburg	30.05	30.65	16	29.35	23	7.6	27	ne.	28	79	58	63	45
Philadelphia	30.07	30.66	17	29 32	23	13.1	36	ne.	28	77	55	64	51
Pittsburgh	30.04	30.62	16	29.49	19	11.3	33	sw.	20	84	61	72	35
Reading	30.06	30.66	17	29.30	23	11.9	47	ne.	28	79	57	62	36
Scranton	30.04	30.66	17	29.29	23	6.8	29	nw.	30	81	60	68	44

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.4	9.2	24	2.2	13	18
Easton	Delaware	......	......	......	......	......	22
Lehighton	Lehigh	3.5	8.2	24	2.3	10	9
Wilkes-Barre	Susquehanna	4.6	15.2	24	2 0	10	20
Williamsport	Susquehanna	2.5	11.9	30	0.6	4	20
Harrisburg	Susquehanna	4.5	10.1	31	3.3	12	18
Greensboro	Monongahela	14.2	39.2	29	10.2	3	30
West Newton	Youghiogheny	1.7	18.3	29	0.0	1	20
Lock No. 4	Monongahela	13.8	35.9	29	10.5	1	30
Pittsburgh	Ohio	.....	27.8*	29	10.1*	2	25
Midland	Ohio	......	31.9*	29	9.3*	12	30

* —Pool stage.

Daily Temperatures for October, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	74	74	60	54	65	84	70	51	43	50	60	69	58	45	45	50	53	62	65	65	60	55	49	38	47	47	51	50	55	66	56	57.1
	Minimum	43	52	53	49	54	58	47	35	27	34	42	44	37	25	27	24	25	43	46	43	34	44	36	29	22	33	39	42	38	44	45	39.2
Bedford	Maximum	73	81	72	56	68	80	76	56	47	50	60	70	65	46	45	50	54	57	67	67	58	57	53	41	51	59	54	63	54	68	64	59.7
	Minimum	41	45	53	50	50	61	55	38	28	37	42	43	43	27	24	24	22	43	54	41	35	45	38	30	22	33	44	45	38	42	35	39.7
Bethlehem	Maximum	74	77	68	70	76	79	79	64	51	48	60	72	70	52	49	56	59	68	67	68	64	69	63	49	57	65	65	62	60	71	70	64.6
	Minimum	44	46	47	51	46	66	64	42	34	40	43	40	41	40	32	34	28	37	58	48	46	51	49	36	30	36	36	48	46	44	42	43.6
Brookville	Maximum	80	77	60	66	74	85	58	56	49	46	60	69	47	44	47	52	53	58	72	56	55	51	41	41	53	54	52	45	56	65	54	57.3
	Minimum	38	41	47	51	52	58	50	49	23	31	35	43	35	22	27	24	19	31	51	33	39	37	37	30	23	28	42	28	37	38	26	36.1
Butler	Maximum	84	81	69	68	75	85	85	54	53	60	60	68	68	41	43	55	60	60	74	74	57	57	46	42	55	58	58	50	57	68	68	62.4
	Minimum	45	45	55	52	60	64	51	35	46	50	37	47	39	24	28	25	25	40	53	51	41	43	40	32	30	37	46	43	43	47	34	42.2
Carlisle	Maximum	77	78	68	62	67	82	79	58	51	54	62	73	67	55	56	56	60	64	67	69	65	60	60	50	56	62	58	55	59	75	66	63.6
	Minimum	41	48	51	45	58	64	43	42	30	40	40	40	41	37	30	26	23	34	54	46	35	46	42	31	24	33	48	48	41	39	34	40.4
Chambersburg	Maximum	75	81	66	56	66	82	72	62	48	52	62	72	63	51	52	56	59	59	67	69	61	62	59	45	52	56	54	53	57	74	62	61.5
	Minimum	43	47	54	49	52	52	59	41	31	41	44	46	45	38	27	27	27	35	54	46	41	47	40	35	25	34	47	48	41	43	40	41.9
Chambersville	Maximum	81	81	65	66	73	85	75	55	47	49	62	69	49	48	49	51	58	55	76	69	60	52	46	40	55	58	57	51	54	66	56	59.9
	Minimum	46	46	53	52	57	62	45	32	25	34	41	45	36	20	25	24	29	45	53	41	37	43	35	30	26	40	45	41	31	46	30	39.2
Claysville	Maximum	89	87	78	74	79	88	79	60	53	52	59	72	60	46	48	53	66	60	79	73	61	53	40	38	60	63	59	48	60	72	65	63.7
	Minimum	48	48	58	53	60	64	52	28	34	38	34	45	39	22	29	23	31	50	56	42	40	38	34	28	28	41	44	41	33	49	28	40.6
Clearfield	Maximum	80	75	80	76	72	86	78	60	61	52	62	67	62	50	56	68	65	65	72	65	60	64	54	42	62	60	50	53	48	58	62	63.4
	Minimum	45	51	40	52	48	58	49	43	26	31	41	31	36	22	28	31	26	32	31	36	30	28	36	33	20	24	35	41	35	33	30	35.5
Coatesville	Maximum	73	79	62	69	77	77	72	57	50	48	59	72	61	43	51	36	56	68	66	69	65	68	62	46	54	67	67	62	58	73	60	62.2
	Minimum	40	49	52	50	55	65	57	40	32	40	35	38	43	36	28	29	25	29	55	46	41	46	43	33	27	30	47	48	45	43	41	41.5
Corry	Maximum	84	72	65	74	69	76	69	51	45	51	62	63	47	44	46	54	60	55	73	66	56	47	43	42	54	61	55	45	58	63	52	58.1
	Minimum	50	45	46	48	57	64	42	33	24	33	38	39	33	28	25	25	23	42	52	40	37	32	33	28	26	39	39	38	33	42	29	37.5
Emporium	Maximum	83	67	58	65	66	87	80	50	46	51	61	67	48	42	44	55	57	55	68	69	57	54	50	39	52	50	52	51	56	65	56	58.1
	Minimum	43	49	50	50	58	61	48	35	30	34	38	40	36	25	25	23	12	43	53	45	38	39	34	32	23	35	45	43	36	38	29	38.4
Erie*	Maximum	79	62	69	73	72	75	60	48	48	51	58	60	44	43	47	52	60	62	74	52	54	45	42	38	52	62	49	45	60	59	48	56.2
	Minimum	60	50	49	54	62	60	45	43	35	38	43	43	36	36	39	36	37	48	52	45	44	40	36	32	34	47	44	40	40	45	37	43.5
Franklin‡	Maximum	81	79	62	64	70	83	59	50	45	45	60	67	47	44	46	54	51	60	71	50	56	45	43	36	51	56	49	45	59	62	54	56.3
	Minimum	38	46	49	53	53	59	49	34	27	27	35	41	37	28	31	30	25	25	46	44	40	38	36	29	30	32	44	43	37	37	33	37.9
Freeland	Maximum	67	63	54	59	58	72	66	46	41	38	51	62	56	43	40	45	48	54	60	61	53	55	53	45	45	54	55	51	49	60	53	53.5
	Minimum	48	53	43	44	52	62	45	33	28	31	35	39	32	29	24	27	28	37	52	44	36	43	35	25	25	35	46	44	37	43	34	38.4
Gettysburg	Maximum	73	82	72	59	69	82	77	62	54	51	60	73	68	53	52	54	57	65	66	69	61	63	60	49	53	60	57	58	59	75	68	63.3
	Minimum	56	47	55	50	58	65	61	41	32	41	43	42	45	40	29	31	27	35	56	47	42	48	43	36	26	33	49	48	42	45	48	43.9
Greensburg	Maximum	83	83	70	69	75	84	78	58	47	48	60	70	49	43	44	57	65	59	76	69	61	51	44	37	57	60	56	51	56	69	....	61.0[a]
	Minimum	49	52	57	53	61	62	48	34	32	39	41	46	41	27	27	25	37	48	56	44	45	43	35	31	29	44	47	43	37	49	....	42.8[a]
Grove City	Maximum	78	78	65	64	66	73	72	48	45	46	60	65	47	43	44	52	59	57	73	70	57	54	43	36	53	57	55	49	58	63	56	57.6
	Minimum	50	51	52	50	56	63	43	35	31	32	41	40	41	30	30	39	32	48	55	42	39	40	34	30	29	29	44	41	43	49	46	41.5
Hamburg	Maximum	76	72	60	64	66	72	70	58	47	46	60	76	64	52	50	52	52	62	63	68	64	64	56	46	48	60	60	56	56	68	63	60.4
	Minimum	47	50	48	50	56	64	55	41	31	36	36	38	43	38	31	29	26	37	54	46	40	48	42	37	26	36	50	49	46	45	42	42.5
Harrisburg*	Maximum	73	76	63	62	69	80	69	54	47	50	60	71	52	50	50	54	56	64	69	70	60	64	56	46	52	60	60	56	57	71	57	60.6
	Minimum	53	53	51	50	57	65	49	45	36	41	43	45	45	37	35	34	31	39	58	47	45	50	43	35	31	40	52	49	45	47	44	45.0
Hawley	Maximum	74	66	59	66	66	80	70	51	51	43	53	67	62	51	46	46	54	60	63	65	60	64	60	45	51	61	57	54	53	64	54	58.6
	Minimum	36	44	44	45	42	61	49	33	26	31	38	28	30	23	22	30	16	25	53	44	38	38	42	35	20	24	47	46	39	41	35	36.3
Holtwood*	Maximum	73	81	64	66	73	75	71	55	50	50	59	73	55	50	50	54	55	67	68	68	64	64	61	47	55	61	63	58	58	73	56	61.8
	Minimum	53	54	55	55	61	65	53	41	40	44	44	45	47	37	37	37	35	41	57	48	44	51	46	40	32	41	51	51	46	46	41	46.4
Huntingdon	Maximum	79	76	60	59	69	86	67	56	44	52	61	72	49	49	50	54	58	59	72	70	61	60	59	46	55	57	55	55	58	71	59	60.6
	Minimum	42	48	52	52	57	61	45	38	28	38	43	42	36	27	23	23	21	44	58	46	36	45	39	33	22	30	42	47	39	36	34	39.6
Johnstown	Maximum	87	85	62	62	71	86	71	57	52	51	62	71	53	47	49	57	59	58	70	62	60	57	47	42	56	62	54	50	58	71	62	61.0
	Minimum	43	47	54	52	57	58	49	37	32	34	44	46	36	28	30	30	26	44	54	44	39	45	37	31	26	35	47	44	39	47	38	41.1
Lancaster	Maximum	74	82	72	66	74	79	75	61	52	48	62	73	67	62	56	56	57	67	68	70	66	67	63	54	56	64	64	64	60	75	64	65.1
	Minimum	42	44	53	51	52	64	58	37	30	40	33	34	35	32	26	24	22	22	51	47	38	45	44	35	24	30	47	50	45	35	30	39.5
Lawrenceville	Maximum	82	72	58	71	69	87	75	52	48	43	61	68	52	45	47	53	58	57	68	68	60	60	57	50	54	49	56	52	50	62	53	59.3
	Minimum	45	50	45	48	57	63	47	32	25	33	30	33	33	22	23	20	17	40	53	44	36	37	33	27	25	33	41	43	35	45	28	36.8
Lebanon‡	Maximum	76	79	79	65	72	81	70	63	48	49	60	73	51	51	50	55	58	66	69	64	64	65	51	49	55	62	62	59	59	73	58	62.5
	Minimum	48	47	49	49	50	58	63	40	29	39	32	39	43	39	25	26	24	36	46	48	40	48	49	32	26	34	41	49	44	40	42	41.1
Lock Haven	Maximum	78	74	65	62	66	82	81	58	50	46	59	71	67	50	50	52	55	60	70	70	59	62	60	44	50	55	55	55	57	68	62	61.1
	Minimum	44	52	52	52	58	63	56	39	31	37	36	44	37	29	26	27	24	38	55	47	37	44	39	35	26	32	43	49	41	40	34	40.9
Marcus Hook*	Maximum	78	75	69	79	77	75	70	63	66	59	72	71	54	54	60	58	72	72	80	67	71	68	57	55	68	72	72	74	74	74	57	68.2
	Minimum	56	57	55	58	67	67	43	40	44	39	48	45	43	34	38	36	41	60	50	49	55	51	41	35	41	51	60	49	49	46	38	47.9
Meadville	Maximum	81	74	65	70	70	76	61	50	46	45	59	63	45	43	44	52	59	61	72	51	52	44	43	40	55	62	48	43	58	61	49	56.2
	Minimum	46	47	54	53	54	61	47	31	27	32	36	42	36	30	32	31	30	34	45	44	38	36	36	29	29	34	43	41	36	32	30	38.6
Montrose	Maximum	73	62	55	66	63	77	69	47	44	40	51	61	46	40	44	45	54	55	62	69	55	57	56	41	48	59	56	56	52	59	49	55.2
	Minimum	46	53	43	44	49	61	45	34	25	32	31	31	31	25	24	31	26	36	52	43	37	41	35	31	24	34	47	46	36	42	33	37.7
Mount Pocono	Maximum	67	53	52	60	63	73	64	46	41	40	49	61	41	41	40	43	47	56	62	51	53	57	53	36	44	57	56	48	45	58	43	51.9
	Minimum	41	52	42	41	53	63	37	33	27	30	35	32	34	26	25	30	21	33	38	50	30	40	31	28	18	30	40	40	34	39	31	35.6
Philadelphia*	Maximum	71	79	62	68	76	75	75	56	50	53	59	70	59	52	52	56	60	68	69	69	66	68	64	47	54	64	66	65	61	75	59	63.5
	Minimum	48	55	55	54	58	66	51	45	43	43	40	46	44	36	35	39	38	41	59	50	47	54	46	37	38	42	49	49	48	48	41	46.6
Pittsburgh*	Maximum	85	81	63	63	74	85	68	53	44	49	58	70	43	44	45	51	60	60	75	52	59	50	40	36	56	61	51	46	58	68	53	58.3
	Minimum	53	58	54	52	60	63	44	35	35	39	40	42	36	30	31	27	36	49	49	44	41	38	32	29	29	48	45	40	34	49	38	41.9
Quakertown	Maximum	71	76	67	67	75	75	73	58	49	51	56	69	65	50	49	51	55	66	67	68	63	66	63	48	57	63	65	60	58	70	67	62.5
	Minimum	35	45	50	49	52	65	57	38	26	39	35	33	43	38	26	24	18	26	56	48	38	45	47	35	29	42	47	48	45	42	37	40.6
Reading*	Maximum	73	79	59	68	74	79	71	54	49	48	58	71	51	50	49	55	57	67	71	71	67	67	63	47	54	67	66	64	58	71	56	62.4
	Minimum	49	58	50	52	56	68	49	43	36	41	38	46	43	35	33	35	31	41	59	48	47	53	43	38	32	44	53	50	47	50	42	45.5
Ridgway‡	Maximum	80	68	57	64	71	83	55	49	45	50	60	65	47	42	44	50	57	62	71	52	55	52	40	52	52	57	52	46	56	64	53	56.5
	Minimum	40	45	48	50	52	58	49	34	23	28	36	40	32	24	27	21	18	32	51	45	38	33	31	30	23	34	45	44	36	39	28	36.6
Scranton*	Maximum	74	67	54	72	70	79	69	50	48	44	53	68	46	45	46	46	58	64	69	70	60	64	62	43	51	64	62	55	58	66	48	58.9
	Minimum	49	52	48	51	52	66	45	40	31	37	40	38	36	31	30	30	24	40	58	47	44	46	40	35	29	36	53	47	42	46	37	41.9
Selinsgrove	Maximum	72	72	64	62	67	80	79	76	54	51	55	68	68	50	49	54	55	62	67	67	57	62	62	45	48	52	52	51	53	70	50	60.5
	Minimum	44	46	51	50	55	54	54	39	28	38	31	41	35	32	28	34	25	41	56	45	36	38	41	34	25	34	46	48	40	40	38	40.5
Somerset	Maximum	78	70	70	56	65	72	72	47	44	46	57	60	60	37	41	50	51	52	63	63	55	49	44	33	52	60	55	49	54	64	57	55.7
	Minimum	36	39	52	49	55	54	47	33	25	32	40	44	37	20	22	18	23	41	52	40	35	39	31	25	16	31	45	41	35	45	31	36.5
State College	Maximum	74	68	58	61	66	80	72	58	45	45	57	69	52	45	46	49	54	56	68	67	60	61	56	45	50	55	52	53	52	66	58	58.0
	Minimum	46	48	52	48	50	49	53	37	28	34	41	41	35	28	27	24	25	43	54	42	40	43	38	30	25	37	42	47	37	42	34	39.4
Stroudsburg‡	Maximum	71	72	56	70	72	79	73	65	49	47	58	70	50	53	49	55	57	67	67	61	62	67	62	61	52	63	65	64	65	70	53	62.1
	Minimum	37	45	47	45	49	55	64	37	28	33	41	32	36	31	25	31	20	25	35	35	32	44	41	32	23	28	31	39	44	42	40	37.0
Towanda	Maximum	77	63	52	74	68	81	73	53	48	45	57	69	45	46	49	50	60	61	70	70	60	64	58	47	52	65	59	54	61	66	50	59.6
	Minimum	43	49	47	48	55	64	43	38	26	36	36	35	33	24	24	28	19	41	57	46	41	41	38	36	26	35	49	46	40	45	33	39.4
Uniontown	Maximum	84	87	75	72	77	85	76	57	51	53	63	72	65	55	50	59	69	64	78	72	60	54	43	37	59	64	56	51	57	74	59	63.8
	Minimum	47	50	58	55	61	66	53	34	37	40	41	48	43	29	25	25	41	50	60	44	44	43	33	31	26	41	49	44	35	49	31	43.1
Vandergrift*	Maximum	82	83	66	70	78	89	69	57	47	47	63	75	45	48	44	52	62	63	78	59	61	56	48	40	57	60	53	50	58	72	58	61.0
	Minimum	47	50	59	56	61	64	44	34	31	38	44	43	32	27	31	27	26	56	57	47	42	42	35	31	31	46	48	44	40	39	32	42.0
Warren	Maximum	76	70	68	66	67	75	70	60	54	50	52	62	54	45	42	48	57	56	68	68	68	58	47	48	49	53	58	50	50	56	56	58.1
	Minimum	52	48	52	54	60	64	60	40	34	40	42	46	36	32	32	29	29	45	52	50	48	42	40	39	35	45	48	44	40	46	37	43.9
Waynesburg	Maximum	85	88	76	78	77	85	78	58	52	54	59	70	56	45	48	59	70	60	78	73	60	50	41	40	59	62	58	49	60	72	63	63.3
	Minimum	46	48	58	54	62	63	52	34	36	40	38	47	40	26	28	23	28	49	57	46	43	40	34	34	31	41	46	43	34	51	32	42.1
Wellsboro	Maximum	76	63	52	63	66	80	66	46	48	44	55	68	43	44	43	46	53	56	66	66	56	58	55	40	49	48	64	52	54	60	50	55.8
	Minimum	45	48	46	47	55	61	46	32	22	33	30	35	32	20	23	18	16	37	52	42	33	36	33	27	24	29	39	41	34	41	32	35.8
Williamsport	Maximum	77	69	61	62	66	81	76	53	46	46	59	73	64	47	48	52	56	60	67	69	59	60	60	44	53	57	57	55	57	68	61	60.1
	Minimum	45	50	50	51	58	63	52	37	29	37	32	44	35	31	28	28	22	40	57	46	35	43	45	35	23	39	45	50	41	37	33	40.5
Williamstown	Maximum	72	75	77	73	64	80	79	58	48	56	68	67	47	47	49	57	61	63	67	58	60	59	45	51	60	58	45	58	54	67	71	61.3
	Minimum	50	47	45	45	54	61	56	36	31	48	56	33	36	35	31	28	27	31	38	52	41	42	40	45	26	38	46	45	39	46	36	40.0
York	Maximum	74	79	72	64	71	79	77	60	53	50	58	71	67	[illegible]	50	51	55	65	67	70	65	65	60	47	54	62	61	59	59	74	67	63.1
	Minimum	44	45	54	50	57	65	60	35	30	42	36	39	45	40	25	26	23	34	57	47	41	46	44	38	25	38	51	48	44	42	36	42.2

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. [a], [b], [c], etc., indicate respectively 1, 2 or 3 days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLII. NOVEMBER, 1937. NO. 11.

GENERAL SUMMARY.

November temperatures were a little more changeable than usual, but averaged near the normal. The chief cold period was from the 17th to 24th inclusive, and was most severe in the western part of the State. Highest temperature for the month was recorded at a majority of the stations on the 8th. More than half of the precipitation for the State as a whole occurred on the 12th and 13th. It was above the normal at most stations in the Susquehanna Basin, but the shortage in the Ohio Basin was more than enough to balance it, and thus to give the State a moderate deficiency. A large portion of the precipitation in the Ohio basin occurred in the form of snow, which was generally heavier than the November average for that region, but the snowfall in the remainder of the State was generally light. No records were broken during the month, either for temperature or precipitation. On the first of the month about one-third of the corn remained to be husked. The first ten days were ideal for field work, and rapid progress was made. Potato digging was finished during that period, and not much corn remained in the fields. The remainder of the month was occupied chiefly with the hauling of fodder and manure. Heavy rains near the end of October and the generally heavy rains of November 12th and 13th served to provide a good surface water supply. Soil moisture was ample, ponds and reservoirs were mostly well filled, and streams were at moderate stages. Sunshine for the month was above the average in most regions. At the end of the month the winter grains were generally in fair condition, having largely overcome the earlier handicaps of late seedings and slow germination. The average condition seemed to be as good as last year's grain, which gave good returns. The highways were mostly in good condition in the central and eastern portions of the State, although ice coatings of short duration were reported in a few small regions. In the western counties the snow drifted quite badly in some regions, and delays of from one to three days occurred while the roads were being cleared.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 90 stations, was 40.7°, which is 0.6° below the 50-year normal. The highest monthly mean was 48.0°, at Phila.-Pt. Breeze, and the lowest, 33.6°, at Mount Pocono. The highest temperature for the month was 79° at Mifflintown on the 8th. The lowest for the month was —3° at Somerset on the 24th. The greatest daily range in temperature was 53° at Coudersport on the 10th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 145 stations was 2.56 inches, which is 0.31 inch less than the 50-year normal. The greatest monthly amount was 5.25 inches at Newport, while the least, 0.76 inch, was recorded at Greensboro. The greatest amount recorded in any 24 consecutive hours was 3.78 inches at New Park on the 12-13th.

The average snowfall for the State was 2.0 inches, which is 0.6 inch below the 50-year average. The greatest monthly snowfall was 12.5 inches at Pennline; the greatest amount for 24-hours was 6.7 inches at Connellsville on the 20-21st.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	42.2	79	4	3.37	2.1	11	9	7	14
1889	41.8	73	10	6.72	0.7	15	5	8	17
1890	41.8	78	10	1.49	0.5	8	9	10	11
1891	39.7	76	6	2.65	1.2	9	9	8	13
1892	39.0	80	10	4.34	8.6	12	6	8	16
1893	39.2	68	−4	2.93	2.4	8	8	11	11
1894	38.2	74	6	2.50	5.3	9	10	9	11
1895	42.9	78	6	2.48	0.5	10	10	8	11
1896	46.0	83	12	3.55	1.1	10	8	9	13
1897	41.6	76	2	5.28	2.6	14	6	8	16
1898	40.0	73	8	4.03	6.9	11	8	9	13
1899	41.5	72	7	2.66	1.2	7	10	8	12
1900	43.5	79	7	4.10	3.1	12	6	9	15
1901	36.0	76	9	2.56	3.1	8	7	8	15
1902	47.3	78	0	1.53	1.5	8	10	8	12
1903	36.9	78	2	2.18	1.4	7	11	8	11
1904	38.8	79	−4	1.14	3.5	6	10	9	11
1905	39.1	68	5	2.47	0.9	9	11	8	11
1906	41.5	80	9	1.48	4.0	8	12	6	12
1907	39.8	70	4	3.60	2.9	10	13	8	9
1908	41.2	75	−2	0.90	5.0	5	12	8	10
1909	46.4	80	15	1.40	1.9	7	12	8	10
1910	36.8	68	9	2.45	8.5	11	4	7	19
1911	37.8	77	7	2.84	3.7	10	7	7	16
1912	43.0	81	7	2.17	1.9	7	10	8	12
1913	43.9	79	10	3.05	4.5	11	10	5	15
1914	40.6	81	−2	1.76	1.5	6	12	9	9
1915	42.1	79	13	2.18	1.3	10	10	9	11
1916	41.3	79	4	2.27	1.6	9	13	6	11
1917	37.6	69	−5	0.63	1.4	5	14	7	9
1918	42.1	76	11	2.03	T.	7	12	6	12
1919	41.2	76	11	5.35	2.3	12	11	7	12
1920	40.3	75	5	3.54	4.5	11	7	7	16
1921	42.3	80	3	5.75	1.4	16	5	7	18
1922	42.9	73	12	1.21	1.8	9	10	7	13
1923	40.7	70	10	2.83	0.3	10	12	5	13
1924	40.7	78	−9	1.54	2.9	7	12	8	10
1925	39.5	71	4	3.56	2.2	10	11	7	12
1926	40.4	79	−1	4.49	0.9	10	9	7	14
1927	46.2	85	10	4.95	1.8	14	7	7	16
1928	43.4	81	4	2.32	2.3	12	7	8	15
1929	41.1	81	−10	3.39	1.9	12	8	8	14
1930	42.0	75	−15	1.48	2.3	9	10	7	13
1931	49.2	80	12	1.52	2.9	9	10	8	12
1932	39.4	75	−2	4.75	0.3	10	12	7	11
1933	38.1	83	−11	1.55	7.0	11	8	7	15
1934	44.9	80	6	3.61	1.8	12	9	7	14
1935	44.4	85	5	3.84	2.5	12	7	6	17
1936	38.6	78	2	2.40	3.4	8	9	8	13
1937	40.7	79	−3	2.56	2.0	11	11	7	12
Period	41.3	85	−15	2.87	2.6	10	9	8	13

Climatological Data for November, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	43.2	+0.8	67	8	25	24	33	2.02	−0.74	1.13	0.1	8	14	13	3	nw.	John A. Frick.
Altoona	Blair	1,615	50	38.7	−1.8	71	8	16	21	30	1.97	−0.45	1.24	1.0	10	12	8	10	w.	John J. Martin.
Ardmore	Montgomery	350	17	43.5	−0.9	67	10	21	23	33	3.90	+0.44	2.45	T.	5	14	8	8	......	H. L. Balderston.
Arendtsville	Adams	700	15																	Harold J. Miller.
Bedford	Bedford	1,060	5	40.7	......	74	8	13	24	38	1.44	......	1.17	T.	4	11	2	17	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	44.8	+0.4	68	8	26	21†	32	1.79	−1.08	1.02	0	9	11	3	16	w.	Lehigh University.
Carlisle	Cumberland	467	71	43.4	+1.9	72	8	17	25	38	4.16	+1.84	3.16	T.	8	17	4	9	sw.	Prof. C. E. Miller.
Center Hall	Center	1,272	41	40.0	−0.4	72	8	20	21	29	2.35	+0.21	1.95	1.5	5	20	3	7	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	43.0	+0.8	74	8	19	25	33	2.30	+0.05	1.01	T.	9	9	13	8	sw.	William B. Spear.
Clearfield	Clearfield	1,120	30	40.3	−0.9	70	28	10	24	42	1.92	−1.05	0.99	2.0	10	4	13	13	w	E. W. Hess.
Coatesville	Chester	380	50	41.9	−1.0	68	8	22	24	33	3.66	+0.72	2.46	1.0	9	12	6	12	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	40.6	−1.0	67	8	17	23	33	3.31	+0.88	2.09	0.5	8	15	3	12	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	38.0	−1.3	65	10	10	24	36	2.14	−0.70	1.09	T.	15	10	6	14	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	43.8	+0.5	67	8†	20	25	35	2.31	+0.05	1.23	T.	9	14	7	9	s.	Ira J. Keath
Freeland	Luzerne	1,970	44	36.2	−1.0	65	8	17	22	31	3.74	+0.61	1.90	3.3	11	6	2	22	w.	Andrew B. Evansha
George School	Bucks	190	31	44.9	+1.1	72	9	20	24	40	4.47	+1.60	2.43	0	12	22	1	7	w.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	44.0	+1.7	71	8	20	25	37	4.48	+2.08	2.93	0.4	8	18	4	8	w.	Dr Henry Stewart
Gordon	Schuylkill	840	33	39.9	0.0	72	8	14	25	42	3.35	+0.17	1.90	1.0	12	12	6	12	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	35.8	−0.1	66	8	8	24	45	3.84	+0.62	2.05	2.0	9	14	7	9	w.	Ronald H. Marshall.
Hamburg	Berks	535	44	42.6	+0.8	65	11	21	25	33	2.39	−0.42	1.47	T.	10	17	5	8	w.	State Sanatorium.
Hanover	York	600	33	45.0	+0.1	75	8	22	23†	35	4.45	+2.19	2.91	T.	8	18	5	7	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	43.6	+0.8	70	8	25	21	27	4.50	+2.24	3.49	T.	9	11	5	14	w.	U. S. Weather Bureau.
Hawley	Wayne	900	19	38.2	−1.1	71	8	13	24	43	2.77	+0.14	0.89	2.5	11	16	5	9	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	44.2	−1.0	66	10	25	24	28	3.59	+1.40	2.40	T.	9	17	4	9	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	50	40.5	−1.3	76	8	12	25	46	2.16	−0.07	1.60	T.	6	7	9	14	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	......		......	......	......	......	......	......	......	......	......	......	......	......	......	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,694	6	36.7	......	70	8	15	21	29	1.65	......	0.88	2.8	13	5	6	19	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	42.1	−1.0	68	8†	16	24†	44	2.91	+0.53	1.90	T.	10	18	4	8	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	40	38.7	−0.5	68	8	17	12†	40	2.79	+0.52	1.78	2.5	9	8	7	15	......	C. P. Darling.
Lebanon	Lebanon	469	53	42.2	−0.4	70	8	19	25†	37	3.23	+0.72	1.80	T.	9	17	4	9	w.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	41.4	−0.7	68	8†	19	24†	37	2.99	+0.88	2.24	0.6	12	7	7	16	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	47.4	−0.2	67	7†	28	20†	30	3.04	+0.18	......	0	5	20	4	6	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	43.0	+1.2	79	8	15	25	44	4.10	+1.83	3.32	T.	10	16	7	7	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	33.6	−0.5	67	8	11	18†	38	2.14	−1.07	0.60	3.5	8	13	4	13	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	38.1	−1.2	67	8	10	22	39	2.53	−0.24	1.73	2.0	8	14	5	11	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	42.0	−0.8	69	8†	15	23†	44	4.94	+1.91	2.64	T.	11	19	3	8	sw.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	41.0	−1.3	66	10	18	25	38	2.12	−0.47	0.77	1.0	8	10	8	12	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	46.2	+0.5	68	8	27	21	25	3.44	+0.74	1.86	T.	9	13	8	9	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	43.6	+0.1	69	9	16	25	44	3.22	+0.23	2.23	T.	10	18	8	4	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	41.6	+0.2	63	10†	17	24	35	2.56	−0.58	1.51	0	9	15	5	10	nw.	John E. Benner.
Reading	Berks	273	67	44.8	+2.3	69	8	27	21	26	1.96	−0.77	0.92	0.7	11	12	8	10	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	40.2	......	71	8	16	25	38	1.28	......	0.44	1.0	13	12	6	12	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	41.4	+0.9	73	8	22	25	35	1.53	−1.24	0.55	2.2	12	6	10	14	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	47	41.6	−0.2	66	8†	16	25	37	3.49	+1.02	2.68	0.5	9	4	10	16	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	44.2	−1.0	67	8	21	23	32	4.15	+1.32	2.90	T.	10	4	15	11	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	42.4	......	72	8	21	21	33	2.89	......	2.08	T.	8	9	10	11	nw.	State Teachers College
State College	Center	1,217	53	39.4	−0.6	72	8	18	21	31	2.08	−0.23	0.91	0.2	11	7	14	9	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	41.3	+0.6	70	8	19	24†	41	3.55	+0.36	......	2.0	8	17	3	10	w	State Teachers College
Towanda	Bradford	754	43	39.8	0.0	70	8	17	12†	40	1.77	−0.37	1.14	3.3	12	10	1	19	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	67	37.2[d]	−0.4	66	8	18[g]	12†	26[g]	3.11	+0.89	2.50	T.	8	19	3	8	ne.	George W. Hill.
West Chester	Chester	455	88	43.9	+0.8	69	8	22	23†	36	3.98	+0.90	2.89	T.	7	19	4	7	nw.	Harlan Saylor.
Williamsport	Lycoming	521	51	41.2	0.0	67	8†	18	25	36	4.82	+2.45	2.62	0.2	11	11	5	14	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	42.9	+0.8	71	8	18	21	42	4.18	+1.35	2.78	T.	11	12	9	9	sw.	Susquehanna Collieries Co
York	York	400	49	43.0	−0.2	74	8	17	24	37	3.68	+1.45	2.50	T.	9	16	9	5	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	36.0[e]	−1.8	67[f]	7†	5	24	42[f]	2.02	−0.87	0.70	3.1	17	3	8	19	......	Frank S. Fawcett.
Butler	Butler	1,077	24	39.2	+1.3	70	28	12	24†	44	1.79	−1.01	0.58	3.5	8	10	8	12	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	38.6	−2.6	70	8	8	24	40	1.89	−0.88	0.63	3.5	13	11	2	17	w.	John E. Lewis.
Clairton	Allegheny	1,020	5	38.6	......	70	1†	12	21	40	1.16	......	0.62	1.3	11	5	3	22	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	32	40.2	−2.1	71	28	13	22†	39	1.60	−0.90	0.37	3.3	15	12	3	15	w.	J. L. Melvin.
Corry	Erie	1,430	24	37.6	−1.0	66	8	12	24	44	3.08	−0.73	0.57	6.5	15	15	6	9	nw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	34.7	......	69	8	6	5	53	3.08	−0.03	0.93	2.9	17	9	5	16	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	40	41.7	−0.4	72	8	12	24	40	2.14	−0.49	0.80	4.2	13	11	7	12	w.	Ted R. Wineman.
Donora	Washington	762	11	42.9	−2.2	75	28	22	21†	38	1.37	−1.00	0.69	1.5	14	7	9	14	w.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	20	38.4	−0.4	68	8	12	21	31	1.72	−1.16	0.45	5.0	14	11	9	10	w.	D. H. Jones.
Franklin	Venango	957	63	36.6	−2.9	66	8	12	24†	37	2.07	−0.86	0.63	2.0	17	8	3	19	n.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	40.9	−2.0	72	28	16	24	37	1.96	−0.44	0.46	6.7	13	7	11	12	w.	Westmoreland Water Co
Greenville	Mercer	950	41	39.2	−0.7	66	28	12	24	36	2.03	−0.90	0.45	3.7	15	11	3	16	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	39.2	−1.3	65	8†	15	21	33	3.25	+0.22	1.12	5.5	17	8	5	17	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	40.1	−2.0	72	8	14	22	40	2.02	−0.27	0.77	3.0	16	13	9	8	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	41.6	−0.4	74	8	16	24	36	1.34	−2.54	0.32	2.7	15	10	9	11	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	45	41.0	−1.5	72	8	11	22	31	2.10	−0.57	0.54	7.0	15	3	13	14	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	36.4	−2.6	73	8	9	23	46	1.69	−1.85	0.48	2.1	17	8	4	18	s.	Paul F. Coy
Midland	Beaver	691	....	41.0	......	74	28	16	24	34	1.67	......	0.59	3.0	12	9	5	16	nw.	Perry P. Campbell
New Castle	Lawrence	808	57	38.8	−1.4	67	29	14	24	45	1.72	−0.63	0.47	6.1	18	10	5	15	nw.	New Castle Water Co.
Newell	Fayette	800	17	42.2	−2.1	71	29	17	24	43	1.61	−0.56	0.61	2.0	8	9	9	12	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	39.4	−3.8	70	28	16	22	40	1.10	−1.19	0.59	1.6	10	4	9	17	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	36.3	−2.0	66	8†	9	24†	42	2.06	−0.64	0.72	2.8	16	6	7	17	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	36.3	−2.3	65	8	10	21	28	1.26	−1.56	0.31	8.0	13	9	6	15	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	24	41.0	−0.3	67	8	22	24	34	1.17	−1.06	0.39	2.2	10	9	5	16	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	70	35.2	−3.5	63	8	−3	24	47	1.49	−1.69	0.25	9.8	15	5	9	16	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	41.8	−1.9	74	1	10	24	44	1.86	−1.07	0.35	8.0	13	9	9	12	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	23	41.0	−1.7	74	28	16	24†	40	1.53	−1.01	......	......	15	19	8	3	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	48	39.6	+0.4	65	9	14	24	32	2.61	−0.75	0.46	7.6	20	9	3	18	nw	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	41.4	......	71	28	12	24	40	1.39	......	0.45	1.0	4	5	13	12	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	40.3	−1.1	67	28	23	21	36	1.89	−1.41	0.41	7.8	15	8	2	20	sw.	U. S. Weather Bureau.
For the State	......	......	50	40.7	−0.6	79	8	−3	24	53	2.56	−0.31	3.78	2.0	11	11	7	12	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-12-31-37-1050.

Daily Precipitation for November, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh			.01						T.				1.13	.05		.07	.05		T.	.14							T.	.37	.20			2.02
Altoona	Juniata		.06		T.	T.							.27	.97	T.	.04	.01	.05		.15		.10						.05	.27				1.97
Ansonia‖‖	W. Br. Susq		.01	.07			.06	T.	.15	.07				1.57	1.23	.02	T.	.11	T.	.04	.02	.01	T.					.02	.09	.08			3.55
Ardmore‡	Lower Del		T.	T.					T.	.02			.60	2.07	T.													.45	.76				3.90
Arendtsville	Lower Susq																																
Baker's Summit	Juniata									.05			.32	1.04			.01										.12	.05	.23	.06			1.88
Bedford	Juniata		T.	T.									.17	1.00		T.	T.	T.		T.	T.	T.	T.					.12	.15				1.44
Bellefonte	W. Br. Susq		.01			.03	T.		T	.06			.39	1.25		.06	.08	.03	T.	.05	T.	T.	T.				T.	.02	.28	.01			2.27
Bethlehem	Lehigh			T.					T.	T				1.02	.03	.01		.05		.04	.13							.09	.29	.18			1.79
Big Knob	Middle Susq			.01										2.57	.11			.12		.03	.07							.04	.16	.10			3.21
Bloserville‡‡	Lower Susq		T.						.01					2.80	.10	T.		.10		.08							.02	.40	.15				3.66
Buffalo Mills‖‖	Juniata																																
Carlisle	Lower Susq		T.	.03					T.	T.			.22	2.94	T.	T.	T.	.18		.03	T.	T.	T.					.50	.16	.10			4.16
Catawissa	N. Br. Susq																																
Center Hall	Susquehanna					.01							.01	1.95		.16		T.		.22													2.85
Chambersburg	Potomac		T.								T.		.18	1.01	.24	.06		.03		.02								.27	.36	.13			2.80
Clearfield	W. Br. Susq		T.	T.		.04				.06			T.	.99	T.	.08	.16	.06	.08	.12		T.		T.				.10	.23				1.92
Coatesville	Lower Del									.03			.57	1.89		.02		.08		.02	.08	T.	T.					.47	.50				3.66
Colebrook	Lower Susq		.04	T.					T.	T.			.40	1.69	T.	.01		.08		.08	T.		T.					.66	.35				3.31
Conshohocken	Schuylkill			.01						.01			.12	1.84	.05			.02		T	.03							.24	1.02	.14			3.48
Doylestown	Lower Del			.03						.04			.02	2.67		.07		.05		.02	.03							.50	.53	.02			3.98
Du Bois	W. B. Susq		.03			.40	T.			.15				.70	T.	.15	.08	.15		.12	.01	.07	.03			T.	T.	T.	.17	T.			2.06
Emporium	W. Br. Susq		.08			.05	.05		.08	.09				1.09		.18	.03	.08	T.	.07	T.	.02	T.				.05	.03	.23	.01			2.14
Ephrata	Lower Susq			.10					T.				.24	.99		.12		.06		.07	T.							.50	.22	.01			2.31
Forest City	N. Br. Susq								T.	T.				.91	.41			T.	T.	T.	.20	.08						.02	.30	.28			2.20
Fredericksville	Schuylkill		T.	.06					T.	.03			.01	1.93		.11		.06		.03	.05	T.						.20	.29	.14			2.91
Freeland‖‖	Lehigh			.08	T.			.03	T.					1.90	.38	.08	T.	.07	T.	T.	.12	.08	T.	T.				.01	.65	.34			3.74
Galeton	N. Br. Susq		.16	.02		.05	.02		.20	.13				1.94	T	.10	.03	.14	.02	.02	.04	.01	T.				.01	.09	.38				3.36
George School	Lower Del			.02						.04			.03	2.43	.17	.08		.01		.01	.06							.23	1.25	.14			4.47
Gettysburg	Potomac			T.						T.			.08	2.85		.04		.03		.04								.63	.77	.04			4.48
Girardville‖‖	Lower Susq			.01			T.		.03					1.25	.58		.09	.04	.01	.13	.06			T.				.02	.49	.26			2.97
Gordon	Lower Susq			.02			.04			.02			.02	1.90		.12		.12		.02		.10						.31	.52	.16			3.35
Gouldsboro‡‡	Lehigh			.03										1.35	.70			.05			.05	.06	.05					.70	.85				3.84
Graterford	Schuylkill			.14										1.31		.03				.04	.09							.26	.11				1.98
Hamburg	Schuylkill		T.	.02			.02						*	1.47			.02	.01		.01	.01	T.							.32	.51			2.39
Hanover	Lower Susq			.01						T.			.12	2.79		T.		.05		.04	T.							.57	.86	.01			4.45
Harrisburg***	Lower Susq		.01			T.			.01				.96	2.53	.12	T.	T.	.11		.03	T.	T					T.	.57	.16				4.50
Hawley‖‖	Upper Del			.01					.03	T.				.82	.89	.08	T.	.04	T.		.11	.07	.04					T.	.51	.17			2.77
Hollisterville	Upper Del			T.			T.		T.	T.				1.70	.42	.04	T.			.01	.13	.12	.04	T.				T.	.43	.20			3.09
Holtwood‡‡	Lower Susq			.04										2.40	.35	.15		.06			.03	.02							.46	.08			3.59
Huntingdon	Juniata		.01										.61	.99		T.		T.		.10		T.	T.				T.	.05	.40				2.16
Hyndman	Potomac																																
Kylertown	W. B. Susq		.01	T.		T.	T.		.04	.02			.18	.86	.02	.09	T.	.08	.01	.05	T.	T.	.04				T.	.02	.23	T.			1.65
Lakeville‖‖	Upper Del													1.01	.81	T.		.03		.02	.11	.05	T.					.01	.56	.17			2.77
Lancaster	Lower Susq		.09										.18	1.72		.10		.06		.06	.01		T.					.38	.27	.04			2.91
Lansford‖‖	Lehigh			.02										1.36	.28			.18		T.	.14	.03					T	T.	.65	.32			2.98
Lawrenceville	N. Br. Susq		.12						.12	.05				1.78		T.	.25		T.	T	.05	.10					T.		.10	.22			2.79
Lebanon	Lower Susq		.03					T.	T.				1.80	.29	.02	T.	.12			.09	.01						T.	.72	.15				3.23
Lehighton‖‖	Lehigh			T.					.05	T.				1.05	.11	T.		T.	T.	T.	.12		T.					T.	.90	.42			2.65
Lock Haven	W. Br. Susq		.03	T.		.01	.02		.04	.05				2.24		.09		.09		.05	.01	T	T.						.17	.19			2.99
Marcus Hook	Lower Del		.02										*	1.95				.02			T.	T.						*	1.05				3.04
Matamoras‖‖	Upper Del													.69	1.85						.14	.05							.26	.31			3.30
Mauch Chunk	Lehigh			.10			T.			T.				1.40	T.	.10		.20		T.	.10							.30	.85				3.05
Mifflintown	Juniata		.03						.01				*	3.32		.02	.07			.19	T.	T	T.				.06	.16	.24				4.10
Montrose	N. Br. Susq		.02						.03	.08				1.48	.02	.02		.10		.07	.05	.10							.27				2.24
Morris Run	N. Br. Susq			T.		.04	.06		.06					3.65		T.		.20	T.	T.	.05	.04						.17	.40	.20			4.87
Mount Pocono	Upper Del		.40	T.			T.			.30	T			.60	T.	T		.03		.16	.10							.20	.35				2.14
Muncy Valley	W. Br. Susq		.12			T.	T.		.12	.11				1.73		T.		.11	T.	.03		T.	.03				T.		.28				2.53
Neshaminy Falls‖‖	Lower Del		.02							.01			.35	2.64	T.	.01		.05		.02	.07	.01						.31	1.45				4.94
New Bloomfield	Juniata		.02						T.	T.			.40	3.10		.19				.17							T	.23	.18	.12			4.32
New Park	Lower Susq												.78	3.00	.09					.15		T.						.60	.03				4.65
Newport‖‖	Juniata									.03				2.65	1.73	.10		.12		T.	.05						.02	T.	.85	.20			5.25
Palmerton‡	Lehigh		.01				T.		T.				.29	.77		.10		.05		.08	T	T.						.34	.48				2.12
Paupack‖‖	Upper Del													.90	.82	.09		.05			.13	.09							.46	.14			2.68
Philadelphia***	Lower Del		.01	T.		T.				.01			.52	1.45		T.		.01		.01	.01	T.						.37	1.05				3.44
Phila. Navy Yard‡	Lower Del					T.			.03				.56	1.48	.06			*		.02	.03	T.						.40	.99				3.57
Phila-P'nt Breeze‡	Lower Del		.01			T.				.03			.62	1.52		T		.02			.01		T.					.34	1.00				3.55
Phoenixville	Schuylkill									.04			.01	2.23		.02		.12		.03	.05							.36	.28	.08			3.22
Pine Grove	Lower Susq									.03			.50	1.10	.14			.11		.10							.02	.42	.55				2.97
Pleasant Mt.‖‖	Upper Del								.11	.12				1.39		.02		.12		.11	.21							.46	.25				2.79
Pottstown	Schuylkill																																
Pottsville	Schuylkill		.01				T.		.02					1.91		.07		.08		T	.03		T.				T.	.20	.56	.03			2.91
Quakertown	Lower Del			.04									.06	1.51		.02		.05		.09	.03							.21	.55				2.56
Reading***	Schuylkill		.05			T.			T	.02			.43	.49	.09	.02		.06		.12	.01	T	T.				T.	.55	.12				1.96
Renovo‖‖	W. Br. Susq			.05			.03		.08	.04				1.70	.28	.19	.04	.06	.04	.03	.05	.02	T.				.03	.03	.14	.12			2.93
Retreat	N. Br. Susq		.03			.02	T.		.05	.05			.03	.44	.03			.08		.06	.01	.03					T	.36	.09				1.28
Scranton***	N. Br. Susq		T.	T.		T.	.01		.07	T.			.33	.23	T.	.02	T.	.08	T.	.04	.03	.10	T.				.01	.37	.24				1.53
Selinsgrove	Lower Susq												.08	2.60		.10		.09		.07							.03	.03	.40	.09			3.49
Shawmont	Schuylkill			.01						.02			.06	2.90	.01	T.		T		.02	.03	T.						.15	.90	.05			4.15
Shippensburg	Lower Susq			T.			T.			T.			.18	1.90		.12		.06		.10	T.		T.				T.	.28	.12	.13			2.89
State College	W. Br. Susq		.03	T.		.03	T		.02	.04			.45	.91	T.	.09	T.	.11	T	.02	T.	T	T.	T			T	.02	.36				2.08
Stroudsburg‖‖	Upper Del			.02					.01					*	2.21	.12		.08			.16		T.						.95				3.55
Sunbury‖‖	Lower Susq			.02			T.	T.	.03					1.43	.80	.09		.08	T.	T.	.08	T		T.			T.	T.	.28	.22			3.03
Susquehanna‖‖	N. Br. Susq			.03	T.		.01		.05					.52	.15	.02	.01		.14	T.	.09	.10	.06					T.	.13	.23			1.54
Towanda	N. Br. Susq		T.	T.		T.	.02		.04	.02			T	1.14		.01	T.	.08	T.	.04	.06	.09	T.				T	.03	.22	.02			1.77
Weikert	Lower Susq																																
Wellsboro	N. Br. Susq		.06	T.		T.			.08				T.	2.50		.01		.11	T.	T	.03	T.	T.					.02	.30				3.11
West Chester	Lower Del			T.						T.			.18	2.89		T.		.10		.03	.04	T.	T.					.32	.42	T.			3.98
Westgrove‖‖	Lower Del													1.22	.08			.14			.03	T.							.72	.04			2.23
Wilkes-Barre‖‖	N. Br. Susq			T.					.05					.60	.05	.07		.05	.02	T.	.14	.10						T.	.29	.05			1.42
Williamsport‖‖	W. Br. Susq			.08			T.		.02	.04				2.62	1.39	.02		.06	.01	T	.07	T.					T.	T	.17	.34			4.82
Williamstown	Lower Susq						T.		.03	.03				2.78		.18	.01	.11		.03	.02		T.				T.	.13	.52	.34			4.18
York	Lower Susq			.02					T.				.14	2.36		.02		.07		.05	T							.62	.31	.09			3.68
York Haven‖‖	Lower Susq			.03										2.21	.08			.10			.06								1.12	.13			3.73
Zionsville..(near)	Schuylkill			.06										1.50	.05			T.		.05	.02	.04						.07	.15	.85			2.79
Trenton, N. J***	Lower Del		.01	T.		T.				.02			.26	1.58	T.	.02		.02		T.	.03	T.					T.	.25	1.35				3.54

Continued on page 54

Daily Precipitation for November, 1937—Continued from page 53

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver			T.			.01			.06				.65		.07	.02	.05	.02	.07	.07	.10	T	T.			T.	.03	.04	.22			1.41
Blairsville	Allegheny		.02	.08	T.					.12				.49	T.	.16	.14	.17	.07	.05	.12	.22	.17	T.				.14	.03	.18			2.16
Bradford	Allegheny		.18	.06		.05	.08		.11		.32				.75	.02	.13	.12	.08	.06	.05	.12	.25	.06				.08	.06	.31			2.89
Brookville‖‖	Allegheny						.21	.05	.17	.05				.70	.03	.11	.22	.07	.06	.05	.07	.07	.04	.01				.10	.01	T.			2.02
Butler	Ohio		T.			.15				.15				.58		T.	.45	.15		.12		.10						.09					1.79
Chambersville	Allegheny		.08			.02								.63	T.	.21	.04	.13	T.	.20	.03	.12	.01				T.	.17	.24	.01			1.69
Clairton‡	Monongahela		T.			T.			.06				.62	T.	.01	.01	.02	T.	T.	.06	.06	.04	T.			T.	.12	.01	.15				1.16
Clarion	Allegheny		.04			.06			.02	.27				.67		.21	.02	.17	.02	.06	.08	.14	.03				.09	.01	.02	.36			2.27
Claysville	Ohio		.01			.03	.02		T.	.09			.09	.37	T.	.15	.03	.08		.16	.04	.07	T.				T.	.16	.28	.02			1.60
Confluence‖‖	Youghiogheny			.05			.05			.16				.20		.05	.03	.05	.06		.11	.10	.08					.03	.08	.12			1.17
Connellsville	Monongahela			.01			.01			.06				.34	T.		.02	.10	T.	.03	.27	.33	T.	T.		T.	T.	.06	.03	.04			1.24
Corry	Allegheny		.12			.06	.12		.18	.34				.57		.24	.30	.12	.07	.08		.20	.35					.05	.28				3.08
Coudersport	Allegheny		.20	.02		.25	.50			.24				.93		.12	.08	.14	.06	.04	.05	.07	.03				.03	.04	.28				3.08
Derry	Conemaugh		T.	.03		T.							.02	.80	.03	.25		.18	T.	.24	.02	.07	.02					.18	.22	.08			2.14
Donora‖‖	Monongahela		.02			.01	T.			.09			.69	.02	.05	.05	.03	.07		.11	.01	T.	T.				.01	.12	.09				1.37
Ebensburg	Conemaugh			.03			.04			.06				.45		.16	.14	.07	.08	T.	.07	.09	.11	T.			T.	.03	.15	.24			1.72
Franklin‖‖	Allegheny			.04				.07	.03	.18				.63		.13	.19	.07	.03	.03	.01	.02	.02		T.	T.	.10	.02	.10	.40			2.07
Greensboro‖‖	Monongahela			.01			.01			.14					T.		.05	.09	T	T.	.15	.05	.02					.09	.02	.13			0.76
Greensburg	Youghiogheny		.03	T.		.01			T.	.06			.22	.46	T.	.14	.13	.10	T.	.21	.03	.21	T.	T.			T.	.23	.13	T.			1.96
Greenville	Beaver		.05			.05			T.	.15				.45	.07	.30	.26	.12	.02	.05	.02	.30	.01	T.			.01	T.	.17	T.	T.		2.03
Grove City	Beaver		.04			.11	.01		.01	.14				1.12	.05	.15	.06	.15		.15	.02	.19	.02				.02	.04	.95	T			3.25
Herrs Isl. Dam‖‖	Ohio		T.			.04				T.			.60	T	.02	T.	.03	T.	.01	.06	.08	T.	T.			T.	T.	.02	.25				1.11
Irwin	Monongahela		.06			.02	.02		T.	.07			.07	.77	T.	.09	.04	.10	.05	.16	T.	.15	T.				.02	.18	.21	.01			2.02
Johnstown	Conemaugh		.05	T.		.01	.04			.02			.27	.06	T	.09		.03	.06	.13	T.	.08	.08				.02	.08	.32				1.34
Kane (near) ‡‡	Allegheny																																
Kregar‖‖	Youghiogheny		.03			.02			.16				.41	T.	.13	.15	.11	T.	.05	.15	.20	.08	T.				.10	.04	.27				1.90
Lake Lynn‖‖	Monongahela			.05			.02			.17				.48			.03	.08		.01	.19	.30	.05					.07	.02	.16			1.63
Linesville‖‖	Beaver		.08				.04		.21						.38	.15	.30	.13		.08	.12	.10	.08				.22		.10	.10	.02		2.11
Lock No 2‖‖	Ohio		.01	.01			.04			.04				.64		.07		.10		.06	.03	.03						.13	.09	.23			1.48
Lock No. 4‖‖	Monongahela			.02			.02			.08				.18	.02	.06	.04	.08	T	.03	.08	.06	T.				T.	.11	.05	.16			0.99
Lock No. 5‡‡‖‖	Allegheny			.05			.05			.03				.57		.07	.10	.06	.02	.04	.10	.06	.08	T.			T.	.11	.04	.20			1.58
Lycippus	Conemaugh		.05			T.	.03			.13			.05	.54	T.	.30	.04	.13	.20	.05	.05						.02	.31	.17	.03			2.10
McKeesport‖‖	Monongahela		.03				T.							.95		T.		.03		T.	T.	.01						.15	T.	.02			1.19
Meadville	Allegheny			.07			.05		.07	.15				.48	T	.09	.16	.09	.08	.04	.04	.07	.08	T			T.	.03	.05	.13	.01		1.69
Midland	Ohio		.01			.06	T.		.07	.08			T.	.59		.09		.12		.13	.07	.12						T.	.26	.07			1.67
Mosgrove‖‖	Allegheny			.04			.07	T	.02	.07				.58		.09	.16	.08	.05	.11	.11	.06	.26				T.	.08	.02	.25			2.05
Mount Lebanon	Ohio		.04			.04			T.				.03	.10	.03	.07	T.	.10		.14	T	.12	T.				.05	.14	.28				1.14
Natrona‖‖	Allegheny			07			.03			.06				.67		.09	.05	.07	.01	.06	.07	.07	.04	T.			T	.12	.01	.23			1.65
New Castle‖‖	Beaver	T.		.03		T.	.07	.01	.04	.09	T.	T.	T.	.47	T.	.16	.05	.07	.02	.07	.10	.12	.02	T			.02	.03	.06	.29			1.72
Newell	Monongahela													.61		.20		.20		.10		.11	.09		.10		.20						1.61
Parkers Landing‖‖	Allegheny		T	.03			.07		.10	.22				.75		.22	.19	.08	.08	.08	.05	.10	.42	T.			.18	.05	.08	.18	T.		2.88
Pennline‖‖‡‡	Beaver			.04			.03		.06	.24				.38	.03	.05	.35	.14	.19	.07	.07	.31	.16				.04	T.	.20	.07	.01		2.44
Pittsburgh***	Ohio		.02			T.	T.		T.	.05			.59	T.	.02	.03	T.	.02	T.	.12	T.	.03	T.			T	T.	.12	.10				1.10
Punxsutawney‖‖	Allegheny			.04			.05	.01	.04	.10				.54	.03	.12	.15	.27	.01	.07	.07	.06	.05	T.				.12	.03	.17			1.93
Ridgway	Allegheny			.11	T		.08		.16	.16				.72	.09	.08	.13	.07	.04	.65	.06	.04	.07	T.				.07	T.	.13	T.		2.06
Salisbury (near)	Youghiogheny		.06	T		.02	.05			.09	T.		.20	.14	.01	T	T.	.09		.09	.06	.08					T.	.06	.31	T.			1.26
Saltsburg‖‖	Conemaugh			.05			.01			.05				.92		.09	.04	.08	T.	.06	.11	.07	.14	T.				.16	T	.15			1.93
Sharon‖‖	Beaver			T.			.04			.03				.39		.20	.09	.06		.10	.06	T.	T.				.03			.17			1.17
Smethport‖‖	Allegheny		.01	.01	T.	T.	.02	T.	.05					1.07	.10	.05	T.	.05	.04	.10	.10	T.	.15						.10	.25			2.10
Somerset	Youghiogheny		.01			T.	.04			.11			.13	.16	T.	.05	T.	.09	.03	.11	.15	.16	.05				.03	.12	.25				1.49
Springdale‖‖‡‡	Allegheny			.02			.02			.02				.67		.06	.01	.10	.02	.05	.07	.07	.04				T	.12	.05	.25			1.57
Uniontown	Monongahela		.03			T.	.04		T	.11			.35	.18	T.	.13	.03	.12		.17	.20	.20					.10	T.	.20				1.86
Unity Reservoir‡‡	Youghiogheny		.05			.02	.01		T.	.10			.40	.23	T.	.19	.03	.11	.01	20	.01	.13	T.				T	.21	.13	.03			1.86
Vandergrift‡	Conemaugh					.08				.02			*	*	*	.92	.01	.09	.01	.12	*	*	.04					*	.24				1.53
Warren	Allegheny			.04		.10	.05		.04	.46			.20	.23	.08	.14	.07	.09	.12	.10	.09	.05	.40				.04	.05	.21	.05			2.61
Waynesburg	Monongahela												.38			.45				T.		.11							.45				1.39
Westford‖‖	Beaver		.01			.30		.24	.08				.42		.14	.18	.08	.25	.10	.28	.58	.74	.62	.40	.29	.08	.05	.08	.05	T.			4.97
West Newton‖‖	Youghiogheny			.01			.01			.04				.66		.05	.01	.06		.03	.11	.06	.01					.17	.02	.10			1.34
Lake Drainage.																																	
Erie***	Lake Erie		.06	.02		T	.03		.08				.14	.27	.01	.14	.26	.08	T.	.34	.38	.01	T.			T.	.04	T.	.04	T			1.89

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.05	30.61	24	29.33	28	15.9	43	w.	28	73	67	72	31
Harrisburg	30.09	30.67	23	29.47	13	7.9	22	nw.	3	68	50	58	49
Philadelphia	30.10	30.67	24	29 45	13	12.6	34	e.	13	72	56	59	61
Pittsburgh	30.10	30.73	23	29.43	28	11.7	35	nw.	2	75	57	67	39
Reading	30.09	30.65	24	29.44	13	11.4	45	se.	13	72	54	58	46
Scranton	30.07	30.63	24	29.43	13	6.9	25	nw.	9	78	63	69	56

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.4	5.3	15	2.6	12	18
Easton	Delaware	3.9	8.0	15	2.2	12	22
Lehighton	Lehigh	3.8	4.4	2	3.4	11	9
Wilkes-Barre	Susquehanna	6.5	14.2	15	4.3	13	20
Williamsport	Susquehanna	4.7	13.3	14	2.5	12	20
Harrisburg	Susquehanna	5.8	9.2	16	4.4	12	18
Greensboro	Monongahela	12.5	20.0	1	11.1	12	30
West Newton	Youghiogheny	1.4	3.6	1	0.5	23	20
Lock No. 4	Monongahela	13.0	19.7	1	11.3	12	30
Pittsburgh	Ohio		16.1*	1	11.0*	8	25
Midland	Ohio		17.2*	1	10.0*	13	30

* —Pool stage.

Daily Temperatures for November, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	53	61	49	48	40	45	60	71	65	64	54	45	51	51	41	37	37	34	32	31	26	26	30	43	50	50	50	59	60	34	....	46.3
	Minimum	25	36	33	31	25	35	31	44	43	34	25	30	37	39	34	35	32	26	27	25	16	20	25	23	25	36	43	45	24	29	....	31.1
Bedford	Maximum	64	68	54	50	45	45	66	74	68	64	59	46	56	57	49	45	39	36	35	38	32	30	45	49	51	52	56	64	54	44	....	50.8
	Minimum	24	37	35	31	20	40	28	41	48	28	26	30	40	39	37	36	32	29	28	28	18	22	18	13	14	34	42	48	28	25	....	30.6
Bethlehem	Maximum	58	64	61	54	56	52	62	68	63	65	62	48	63	65	64	49	48	41	38	35	36	37	40	46	57	55	53	62	62	50	....	53.8
	Minimum	32	42	39	34	31	40	35	40	54	42	30	28	41	48	42	40	38	32	30	32	26	26	28	28	31	36	44	43	36	30	....	35.9
Brookville	Maximum	61	37	47	40	53	62	67	58	67	65	47	48	55	51	38	39	36	31	36	32	....	....	....	....	....	....	62	67	35	37	....	46.8[f]
	Minimum	21	26	25	19	28	27	35	39	35	23	20	20	26	38	32	33	31	26	25	23	17	20	22	5	6	12	33	40	20	22	...	25.3
Butler	Maximum	66	64	43	37	45	50	66	67	66	63	50	54	53	52	48	39	37	37	33	32	30	31	35	43	51	50	58	70	65	35	....	49.0
	Minimum	23	35	34	23	27	38	36	45	43	26	23	31	41	38	33	30	32	26	27	24	20	16	24	12	12	35	42	43	21	21	....	29.4
Carlisle	Maximum	65	64	58	55	47	54	67	72	67	68	58	45	58	63	53	52	44	43	36	41	40	38	45	50	54	54	49	67	64	50	....	54.0
	Minimum	27	45	39	34	22	41	30	36	51	31	31	25	41	41	39	40	36	30	30	32	23	23	25	22	17	31	40	47	30	25	....	32.8
Chambersburg	Maximum	54	64	58	64	45	49	67	74	65	67	52	44	60	62	51	50	45	42	35	41	37	37	42	49	52	56	47	66	67	52	....	52.8
	Minimum	29	35	37	34	25	40	37	42	47	34	30	30	41	42	38	39	34	31	29	31	23	25	25	20	19	34	42	46	32	28	....	33.3
Chambersville	Maximum	61	63	50	46	44	50	63	70	61	62	57	43	55	51	40	41	36	33	35	33	28	29	34	42	51	53	65	67	63	41	....	48.6
	Minimum	24	44	32	27	20	36	31	46	40	25	23	28	38	38	31	33	31	24	24	19	16	13	24	8	11	36	44	50	20	25	....	28.7
Claysville	Maximum	67	62	51	53	46	63	66	69	63	65	53	49	53	52	40	38	37	38	34	32	32	30	35	49	54	51	68	71	45	38	....	49.8
	Minimum	28	49	33	23	24	37	39	51	42	28	30	32	41	38	32	34	31	24	28	22	16	13	13	13	20	41	47	43	22	24	....	30.6
Clearfield	Maximum	67	58	62	65	54	61	60	66	63	62	65	61	55	50	46	51	43	36	36	45	36	39	42	43	46	58	60	70	49	38	....	52.9
	Minimum	25	28	28	26	30	31	28	34	26	29	24	33	36	30	29	23	32	27	24	28	22	20	23	10	20	32	40	46	21	27	....	27.7
Coatesville	Maximum	41	62	57	51	54	53	60	68	64	63	52	49	63	61	49	51	43	41	38	38	36	37	40	31	56	47	51	65	64	51	....	50.9
	Minimum	29	38	37	30	26	36	31	37	50	35	28	27	44	43	39	38	36	29	28	29	24	24	24	22	23	33	42	49	31	25	....	32.9
Corry	Maximum	65	59	45	48	42	50	65	66	54	63	50	48	53	49	43	38	37	32	31	37	35	32	30	43	55	45	57	64	45	34	....	47.2
	Minimum	21	42	30	26	29	32	36	45	38	26	21	27	40	35	30	30	29	23	23	20	16	19	17	12	19	36	40	43	18	18	.. .	28.0
Emporium	Maximum	57	62	50	49	40	48	64	62	59	65	51	45	55	52	45	38	41	34	35	35	31	30	35	43	44	42	56	64	62	39	....	47.4
	Minimum	22	32	35	27	20	38	29	35	40	29	21	18	39	41	33	36	32	28	24	24	20	23	22	10	11	31	40	49	25	27	....	28.7
Erie*	Maximum	64	64	41	49	43	48	60	66	50	55	41	52	54	51	42	42	39	34	31	32	32	32	32	41	53	47	57	67	33	33	....	46.2
	Minimum	35	39	36	35	38	40	45	50	41	37	28	36	48	36	34	35	34	28	28	24	23	29	27	24	36	43	43	31	24	24	....	34.4
Franklin‡	Maximum	61	60	38	48	41	52	63	66	53	64	50	46	55	47	43	40	38	33	33	32	33	30	33	42	42	46	55	61	39	32	....	45.9
	Minimum	24	21	34	29	25	33	34	40	42	28	24	23	32	43	33	34	33	26	25	20	19	21	21	12	12	14	36	39	21	20	....	27.4
Freeland	Maximum	47	55	46	42	41	43	55	65	54	58	52	37	54	50	44	34	35	30	26	27	27	25	27	34	46	48	45	56	56	36	....	43.2
	Minimum	27	36	31	29	30	33	32	46	43	34	21	28	35	36	31	31	29	26	22	23	18	17	19	19	29	39	42	44	25	28	....	30.1
Gettysburg	Maximum	55	66	65	54	50	52	64	71	66	68	58	44	60	63	55	51	46	42	36	41	37	36	42	49	57	54	51	65	64	52	....	53.8
	Minimum	31	40	38	30	28	42	34	45	53	37	32	30	43	43	41	39	35	30	30	33	23	23	22	22	20	34	44	48	33	27	....	34.3
Greensburg	Maximum	67	65	51	51	43	50	63	71	64	64	54	46	52	51	42	40	37	36	34	32	29	30	33	45	51	51	65	72	46	38	....	49.1
	Minimum	30	49	35	28	26	38	36	51	44	33	29	34	44	41	34	36	32	26	29	25	17	17	25	16	20	40	46	46	26	30	....	32.7
Grove City	Maximum	63	60	53	48	45	49	62	65	56	64	55	47	52	51	39	38	38	35	33	30	31	28	31	40	52	51	58	65	52	34	....	47.5
	Minimum	31	47	33	27	32	36	39	50	41	34	25	32	40	37	32	32	31	24	25	20	15	18	20	16	25	36	42	49	19	20	.. .	30.9
Hamburg	Maximum	52	64	56	52	50	48	56	58	61	61	65	60	58	60	55	46	42	40	34	35	34	34	42	44	52	52	48	60	55	46	....	50.7
	Minimum	29	40	40	31	30	42	30	40	44	36	32	30	33	42	41	42	38	33	30	33	26	26	30	23	21	36	44	46	34	29	....	34.4
Harrisburg*	Maximum	53	64	51	50	50	51	64	70	63	65	44	47	61	60	45	50	44	39	35	38	36	35	41	46	53	53	53	66	46	48	....	50.7
	Minimum	34	43	39	36	33	39	38	45	51	40	33	31	46	45	41	41	36	33	32	30	25	26	29	27	26	38	43	46	35	34	....	36.5
Hawley	Maximum	55	60	57	49	47	46	59	71	60	61	55	44	58	58	50	45	41	38	34	33	35	29	35	40	52	47	52	61	61	43	....	49.2
	Minimum	20	29	34	29	17	30	20	28	48	26	19	14	35	39	36	31	28	26	25	29	25	17	17	13	15	34	38	44	30	23	....	27.3
Holtwood*	Maximum	52	64	52	52	53	50	64	64	64	66	46	51	62	61	47	50	44	41	39	40	37	37	41	46	49	51	51	61	54	50	. ..	51.4
	Minimum	36	46	37	36	35	38	36	42	50	38	35	36	50	45	42	40	38	36	35	33	28	28	28	25	26	37	42	49	33	30	....	37.0
Huntingdon	Maximum	57	67	57	53	42	52	69	76	67	69	46	46	57	57	49	47	42	37	36	36	33	35	39	52	51	51	52	68	43	45	....	51.0
	Minimum	24	33	37	24	20	35	28	35	43	23	29	22	45	37	38	39	32	29	29	30	23	25	29	14	12	32	42	40	26	26	....	30.0
Johnstown	Maximum	61	67	49	52	46	49	67	74	68	67	60	46	55	56	46	43	43	39	36	32	29	31	37	50	50	54	63	68	49	43	....	51.0
	Minimum	27	39	35	31	26	38	33	42	47	31	30	33	42	41	36	36	33	26	30	26	18	21	26	16	18	37	42	49	27	32	....	32.3
Lancaster	Maximum	54	66	64	60	58	54	65	68	67	68	57	49	64	63	53	52	46	44	38	38	38	38	41	46	55	55	52	65	59	53	....	54.3
	Minimum	25	36	36	26	23	23	23	24	54	28	25	24	44	36	40	36	36	29	25	33	23	23	22	16	16	32	38	50	30	22	....	29.9
Lawrenceville	Maximum	56	63	51	52	49	49	65	68	65	65	49	46	51	54	40	41	40	37	34	34	34	26	30	34	59	52	53	64	63	49	....	49.1
	Minimum	22	41	34	33	23	35	25	33	40	25	19	17	37	33	33	31	30	26	25	26	21	17	19	16	21	27	43	45	25	26	....	28.3
Lebanon‡	Maximum	54	67	48	55	53	52	65	70	64	68	46	58	63	62	48	50	42	41	34	40	37	36	39	47	56	55	68	65	45	50	....	52.6
	Minimum	29	36	38	31	27	40	31	38	47	34	30	29	32	40	37	39	35	30	28	31	24	24	24	22	19	19	37	45	31	27	....	31.8
Lock Haven	Maximum	55	55	54	48	48	50	62	68	68	65	64	44	56	56	53	45	44	42	37	37	34	35	36	43	47	46	52	66	66	41	....	50.6
	Minimum	27	36	38	33	24	37	31	38	45	31	28	24	41	42	35	38	35	31	29	31	23	23	31	19	19	33	41	48	29	30	....	32.3
Marcus Hook*	Maximum	65	65	53	59	60	60	67	65	67	62	54	67	62	62	52	51	45	46	51	51	38	42	46	56	59	58	56	55	55	53	....	56.1
	Minimum	46	41	34	39	41	40	44	44	48	32	36	48	49	45	40	40	34	33	36	28	28	28	28	33	41	47	51	38	35	32	....	38.6
Meadville	Maximum	62	65	36	48	40	55	62	73	54	62	48	49	52	44	37	38	32	28	31	32	31	30	32	40	54	55	55	66	33	32	....	45.9
	Minimum	34	34	28	28	33	32	39	32	28	25	22	33	41	32	33	32	20	21	17	19	19	24	9	12	19	38	45	20	19	16	....	26.8
Montrose	Maximum	49	55	47	45	44	41	59	64	60	60	43	43	56	56	47	42	38	34	30	30	30	24	30	40	50	45	50	61	59	40	....	45.7
	Minimum	23	37	32	31	27	32	26	43	40	31	19	25	30	40	32	31	31	25	23	25	22	17	17	16	25	33	41	46	27	26	....	29.1
Mount Pocono	Maximum	48	55	40	44	44	40	57	67	54	58	39	40	55	51	40	39	34	31	30	31	25	24	31	39	51	50	47	52	40	39	....	43.2
	Minimum	14	21	21	19	14	24	28	34	24	20	21	19	33	33	32	25	27	11	14	23	20	14	12	11	34	34	42	40	30	28	....	24.1
Philadelphia*	Maximum	54	65	53	53	55	54	60	68	66	65	47	52	64	63	50	51	46	43	44	41	39	37	43	48	56	57	55	63	57	53	....	53.4
	Minimum	39	43	38	33	37	43	38	46	52	46	33	36	51	48	44	40	39	35	34	34	27	29	29	29	31	41	47	55	38	36	....	39.0
Pittsburgh*	Maximum	65	63	41	48	42	50	63	69	58	63	47	47	52	50	37	39	37	34	35	29	29	30	33	48	53	52	64	70	37	36	....	47.4
	Minimum	33	41	30	26	32	37	38	52	43	37	30	32	43	35	33	32	29	25	28	17	17	16	22	20	27	44	47	30	22	25	....	31.4
Quakertown	Maximum	55	62	59	49	53	52	59	62	62	63	58	48	59	60	47	49	44	40	36	37	36	35	39	50	54	53	49	62	63	49	....	51.5
	Minimum	24	37	37	27	22	31	24	33	53	32	25	22	41	47	40	38	34	31	32	33	25	24	20	17	28	30	43	47	33	23	....	31.8
Reading*	Maximum	57	66	52	51	56	52	63	69	64	66	47	49	64	60	47	51	44	41	36	37	36	36	40	46	57	58	54	66	48	50	....	52.1
	Minimum	35	46	38	35	40	43	39	46	50	42	32	29	46	45	42	42	36	32	31	30	27	28	30	27	31	40	46	48	35	35	....	37.5
Ridgway‡	Maximum	60	62	37	47	44	50	62	66	56	64	46	49	53	51	40	38	38	34	34	32	30	32	33	40	51	46	58	66	41	36	....	46.5
	Minimum	20	28	33	29	19	30	29	36	41	24	18	20	33	40	33	34	34	26	25	21	18	19	23	9	9	10	36	41	23	22	....	26.1
Scranton*	Maximum	55	64	49	50	51	44	61	73	62	64	44	46	63	58	46	45	41	38	34	35	34	30	35	41	52	52	56	67	49	45	....	49.5
	Minimum	27	42	38	33	28	32	28	38	44	32	26	25	41	45	40	36	36	32	29	29	27	23	27	22	22	35	46	49	33	33	....	33.3
Selinsgrove	Maximum	49	55	55	51	51	54	57	66	66	58	56	46	55	55	54	47	44	42	35	38	38	34	34	47	53	46	49	66	65	48	....	50.5
	Minimum	26	39	41	30	26	39	31	38	46	44	28	23	40	40	38	38	37	28	28	32	24	19	25	18	16	31	42	46	35	33	....	32.7
Somerset	Maximum	48	58	48	48	43	38	58	63	62	56	47	40	48	48	40	38	33	29	33	32	22	24	30	44	48	46	58	62	48	35	....	44.2
	Minimum	20	39	30	22	15	35	29	38	41	22	19	30	37	34	30	31	29	21	23	22	12	15	20	−3	3	32	44	47	22	28	....	26.2
State College	Maximum	54	61	49	48	43	48	64	72	60	54	41	43	55	53	42	43	39	33	34	34	32	32	35	45	52	52	51	64	52	40	....	47.5
	Minimum	26	40	34	27	26	37	36	44	45	34	25	27	39	41	33	34	32	26	27	26	18	21	25	20	21	37	39	45	24	27	....	31.2
Stroudsburg‡	Maximum	55	63	47	54	52	57	60	70	63	67	51	59	63	62	48	51	47	42	37	38	38	36	40	51	59	58	60	63	56	49	....	53.2
	Minimum	24	27	39	30	22	24	24	32	38	32	27	20	22	41	40	32	33	32	30	30	29	23	21	19	19	30	38	41	34	28	....	29.4
Towanda	Maximum	53	60	49	50	49	48	64	70	64	66	45	45	58	60	48	48	41	35	34	34	36	32	38	46	52	50	53	69	53	44	....	49.8
	Minimum	24	42	35	31	22	27	24	34	42	27	21	17	38	37	35	35	35	29	28	29	24	23	25	17	18	26	41	49	30	27	....	29.7
Uniontown	Maximum	74	70	53	50	46	43	66	73	65	62	56	54	53	56	45	39	37	41	34	33	27	30	36	48	53	53	62	65	52	44	....	50.7
	Minimum	30	48	36	28	25	39	40	53	44	29	32	31	45	41	35	36	33	29	31	24	17	18	23	10	16	38	48	52	27	31	....	33.0
Vandergrift*	Maximum	66	66	43	51	47	58	70	72	63	67	48	50	60	55	41	47	44	36	37	35	34	34	36	44	54	54	72	74	39	40	....	51.2
	Minimum	28	41	33	28	27	34	36	42	36	30	28	33	46	38	35	36	33	29	29	23	21	18	21	16	16	36	43	34	24	26	....	30.7
Warren	Maximum	59	60	57	44	50	55	59	60	65	50	48	45	53	52	41	38	37	36	33	34	30	29	30	30	52	52	54	60	40	28	....	46.0
	Minimum	27	48	36	34	36	40	48	49	41	38	30	27	42	39	38	36	34	28	28	27	25	22	26	14	24	39	38	40	24	16	....	33.1
Waynesburg	Maximum	68	67	58	52	46	58	65	70	66	67	59	47	53	52	43	38	36	39	34	32	28	30	35	50	55	52	66	71	54	40	...	51.0
	Minimum	28	58	33	23	24	38	37	43	45	28	32	35	44	41	34	33	32	27	30	20	17	17	18	12	16	39	48	47	25	27	....	31.7
Wellsboro	Maximum	50	58	46	45	47	43	60	66	61	62	40	44	52	53	45	41	38	33	35	32	32	28	33	40	50	50	50	62	50	36	....	46.1
	Minimum	20	38	32	30	21	32	24	33	36	27	21	18	36	35	35	34	33	30	23	25	23	18	24	....	....	....	....	....	....	....	....	28.2[g]
Williamsport	Maximum	53	57	53	50	47	50	65	67	67	67	63	46	55	55	50	44	42	40	34	35	35	35	36	44	48	47	51	66	65	42	....	50.3
	Minimum	26	38	38	33	24	39	29	36	47	31	27	22	41	41	36	39	35	30	28	32	24	22	27	21	18	31	42	48	30	26	....	32.0
Williamstown	Maximum	68	62	58	55	48	49	64	71	68	64	68	62	60	63	58	46	44	37	33	34	39	33	36	43	55	55	52	62	61	56	....	53.5
	Minimum	29	37	33	29	32	36	35	47	45	38	26	27	37	44	33	35	30	26	25	27	18	20	24	22	32	39	44	44	26	31	....	32.4
York	Maximum	54	68	64	49	54	51	63	74	65	66	56	48	61	62	51	50	44	41	37	40	36	35	40	45	55	55	52	66	63	50	....	53.2
	Minimum	27	43	38	27	30	42	30	38	54	31	30	27	44	39	37	37	36	28	28	34	24	24	20	17	18	31	41	50	32	26	....	32.8

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* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. [a], [b], [c], etc., indicate respectively 1, 2 or 3 days missing from record.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLII. DECEMBER, 1937. No. 12.

GENERAL SUMMARY.

Temperatures were almost constantly below the normal during the first half of the month, with wide departures during the second week. The excess during the last half of the month was nearly enough to balance the accumulated deficiency, and the average for the month as a whole was only 1.5 degrees below the normal. There were no unusual extremes reported in any part of the State, although sub-zero readings were many. The precipitation averaged about four-fifths of the December normal, the deficiency being much more than that in the eastern half of the State. There was a moderate excess in several of the western counties. The snowfall was very light in the southeastern counties, and there was no snow cover on the fields worth mentioning. In the western and northern counties the snowfall was near, or slightly above, the normal, and fields were well covered from the 5th to the 15th inclusive. Rains began in the western portion of the State on the 15th, and generally continued through the 17th. They melted the snow rapidly, and caused practically all streams in the Ohio drainage to rise above their flood stages, The flood damage was moderate in most places, as ample warnings were issued. During the last half of the month there was little snow cover excepting the northern tier of counties, but the winter grains, which were in only fair condition at the beginning of the month, did not seem to suffer much harm. The frost, in most regions had not penetrated deeply, and there was not much heaving of the soil. There was not much frost in the ground in any part of the State at the close of the month. A comparison of the distribution of precipitation for the months of November and December reveals a balance that was rather fortunate. The rains of November were heaviest in the eastern half of the State, thus making a distribution for the two-month period that was remarkable even. The surface water supply has been ample. Outdoor work made fair progress excepting the second week, when intense cold interfered with building and other kinds of construction work. Improved highways were in good condition, excepting one or two short periods, but dirt roads were,muddy during the latter part of the month.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 29.7°, which is 1.5° below the 50-year normal for December. The highest monthly mean was 38.1°, at Marcus Hook, and the lowest, 23.6°, at Kane (near). The highest recorded during the month was 66° at Neshaminy Falls on the 18th, and the lowest was —14° at Somerset on the 13th. The greatest daily range in temperature was 49° at Brookville and Ridgway on the 15th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 149 stations was 2.45 inches, which is 0.66 inch below the 50-year normal for December. The greatest monthly amount was 5.72 inches at Westford, and the least was 0.70 inch at Holtwood. The greatest amount recorded in any 24 consecutive hours was 1.88 inches at Center Hall on the 18th.

The average snowfall for the State was 5.7 inches, which is 2.3 inches below the 50-year average. The greatest total snowfall for the month was 19.0 inches at Kane(near). The greatest 24-hour snowfall was 8.0 inches at Pleasant Mount on the 6-7th.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	32.5	62	−10	3.14	5.2	9	8	8	15
1889	39.6	73	0	2.77	0.9	12	11	9	11
1890	27.2	59	−11	3.97	29.4	12	7	8	16
1891	38.4	68	−3	4.09	0.3	10	12	8	11
1892	27.8	70	−13	1.69	5.7	9	7	9	15
1893	32.2	70	−7	3.06	9.4	12	6	11	14
1894	32.4	66	−28	3.95	11.9	10	10	9	12
1895	34.2	70	−10	3.22	2.3	7	10	9	12
1896	30.6	67	−13	1.20	5.4	6	10	9	12
1897	33.0	73	−6	3.95	9.6	12	6	8	17
1898	29.8	68	−11	2.98	8.7	10	10	8	13
1899	31.5	73	−11	3.04	4 4	10	10	11	11
1900	31.2	65	−2	2.08	3.9	7	8	9	14
1901	29.1	77	−18	5.91	7.6	11	7	9	15
1902	28.4	68	−12	5.54	17.3	14	7	7	17
1903	25.4	60	−14	2.66	13.2	9	8	9	14
1904	25.8	71	−19	2.48	14.4	11	7	7	17
1905	33.6	65	−5	3.57	2.2	8	10	7	14
1906	30.8	67	−14	3.97	7.6	14	5	5	21
1907	33.2	68	−8	4.30	9.8	12	7	8	16
1908	32.0	74	−2	2.86	9.4	10	9	8	14
1909	27.0	71	−10	3.39	12.7	8	9	8	14
1910	24.4	68	−14	2.65	16.0	12	8	6	17
1911	36.3	70	5	3.27	5.4	13	7	5	19
1912	34.4	74	−8	3.27	8.1	9	9	7	15
1913	34.2	66	−7	2.63	7.2	8	9	7	15
1914	27.3	69	−28	4.63	13.0	14	8	5	18
1915	29.4	70	−7	4.06	13.7	12	6	8	17
1916	29.7	73	−12	3.07	10.5	12	11	9	11
1917	21.5	52	−28	1.78	15.0	8	10	8	13
1918	36.6	72	−1	3.38	3.0	11	9	7	15
1919	25.3	66	−23	2.61	9.4	11	9	8	14
1920	33.4	68	−7	3.28	3.8	10	7	9	15
1921	31.6	66	−11	2.59	7.2	10	8	8	15
1922	31.5	69	−9	2.75	7.1	10	10	8	13
1923	39.6	71	1	4.99	2.4	14	9	7	15
1924	39.8	69	−23	2.13	3.6	11	7	7	17
1925	30.7	62	−15	1.72	3.8	10	8	7	16
1926	27.3	62	−20	2.58	10.0	12	8	7	16
1927	32.7	73	−6	4.41	4.5	13	9	6	16
1928	24.4	68	−2	1.16	0.9	6	13	7	11
1929	32.2	70	−9	2.77	10.0	12	7	6	18
1930	30.0	59	−15	2.29	6.8	10	6	7	18
1931	38.1	70	−1	2.85	1.1	11	10	6	15
1932	33.3	72	−14	2.19	7.4	12	10	6	15
1933	31 7	74	−22	2.88	8.7	12	9	7	15
1934	30.7	73	−10	2.55	3.0	10	9	8	14
1935	26.3	60	−19	2.62	13.5	16	5	7	19
1936	34.5	74	−11	4.19	6.3	11	11	6	14
1937	29.7	66	−14	2.45	5.7	10	10	5	16
Period	31.2	77	−28	3.11	8.0	10	8	8	15

Climatological Data for December, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	25	32.0	+0.1	58	18	11	11	25	1.61	−1.90	0.45	1.5	8	11	16	4	ne.	John A. Frick.
Altoona	Blair	1,615	50	27.2	−2.7	48	22	3	14	25	3.24	+0.50	0.90	9.5	10	10	5	16	w.	John J. Martin.
Ardmore	Montgomery	350	17	33.8	−0.4	63	18	14	12	26	1.32	−1.82	0.46	......	7	8	8	15	......	H. L. Balderston.
Arendtsville	Adams	700	15	31.8	−1.2	59	18	5	9	33	1.05	−1.97	0.62	4.1	5	9	8	14	nw.	Harold J. Miller.
Bedford	Bedford	1,060	5	29.8	......	56	16	−1	13	31	1.97	......	0.91	7.5	5	14	0	17	nw.	Charles C. Lee.
Bethlehem	Northampton	364	52	33.4	−0.1	59	18	14	12	26	1.72	−1.56	0.46	0.8	8	13	2	16	w.	Lehigh University.
Carlisle	Cumberland	467	71	32.2	+0.5	60	18	8	11	28	1.38	−1.72	0.83	3.0	7	16	1	14	sw.	Prof. C. E. Miller.
Center Hall	Center	1,272	41	28.9	−1.0	47	28	4	14	26	4.35	+1.96	1.88	12.7	10	11	6	14	......	Edward E. Bailey.
Chambersburg	Franklin	580	38	32.7	−0.4	59	18†	6	13†	32	1.54	−1.42	0.75	2.8	5	11	10	10	sw.	William B. Spear.
Clearfield	Clearfield	1,120	30	27.8	−2.0	48	3	−7	14	41	3.66	+0.58	1.03	11.0	11	7	11	13	w.	E. W. Hess.
Coatesville	Chester	380	50	31.2	−1.6	61	18	11	11	24	1.36	−2.63	0.35	2.0	6	10	4	17	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	26	29.0	−2.4	53	18	5	11†	28	1.51	−1.96	0.43	3.5	10	11	4	16	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	50	27.4	−1.8	47	22	−7	14	36	3.40	+0.18	1.01	12.5	10	10	2	19	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	45	33.0	+0.5	59	18	11	11	25	1.21	−1.91	0.29	1.6	7	12	6	13	n.	Ira J. Keath
Freeland	Luzerne	1,970	44	24.6	−2.6	49	18	3	9	18	1.80	−2.12	0.73	3.2	10	3	0	28	w.	Andrew B. Evansha
George School	Bucks	190	31	33.8	+0.5	65	18	12	11†	27	1.60	−1.97	0.50	T.	8	14	4	13	w.	Prof. N. W. Swayne.
Gettysburg	Adams	553	64	33.4	+0.9	55	18	10	12†	27	0.82	−2.34	0.37	5.0	6	9	7	15	e.	Dr Henry Stewart
Gordon	Schuylkill	840	33	28.2	−1.2	58	18	−2	10	31	1.86	−1.86	0.68	10.0	8	14	4	13	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	22	23.7	−1.6	51	18	−8	12	32	1.80	−1.52	0.52	5.0	7	14	2	15	w.	Ronald H. Marshall.
Hamburg	Berks	535	44	31.4	−0.5	58	18	9	11	20	2.04	−1.57	1.02	0.3	7	15	3	18	w.	State Sanatorium.
Hanover	York	600	33	34.2	−0.4	62	18	11	12	27	0.88	−2.17	0.28	3.0	7	10	8	13	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	68	32.8	+0.1	56	18	15	12	21	1.52	−1.50	0.73	2.3	10	9	9	13	w	U. S. Weather Bureau.
Hawley	Wayne	900	19	26.2	−2.3	47	4†	−2	11	36	2.17	−0.90	0.85	3.2	9	15	6	10	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	22	33.7	−0.8	60	18	15	12	19	0.70	−1.98	0.17	1.5	6	14	6	11	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	50	29.0	−2.6	57	22	−3	14	34	2.28	−0.64	1.05	5.0	10	9	8	14	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	25	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,694	6	27.2	......	47	18	−5	14	30	3.58	......	1.43	12.8	17	7	3	21	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	50	32.1	−0.9	63	18	8	11	30	1.10	−2.09	0.26	0.5	8	15	8	8	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	40	25.6	−3.1	46	4	−2	14	32	1.53	−0.45	0.55	7.0	8	11	1	19	......	C. P. Darling.
Lebanon	Lebanon	469	53	31.0[a]	−1.1	54[b]	22	10*	11†	28[c]	1.54	−1.80	0.70	1.2	7	11	4	16	w.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	47	29.8	−1.4	50	22†	2	14	28	2.99	+0.14	1.02	8.7	11	8	5	18	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	11	38.1	−0.6	65	17	18	13	26	1.17	−1.59	0.45	T.	5	17	4	10	w.	Sun Oil Co.
Mifflintown	Juniata	445	34	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	31	24.6	−1.1	51	18	3	12	22	4.27	+1.01	1.30	4.0	9	6	9	16	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	25	26.3	−1.7	49	22	0	9†	30	1.77	−1.26	0.94	4.0	6	14	2	15	ne.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	48	32.2	+0.2	66	18	7	11	36	1.62	−1.90	0.55	T.	8	16	1	14	s.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	19	30.5	−0.9	57	18	7	11	25	2.34	−0.57	0.82	2.4	9	9	6	16	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	66	36.0	−0.3	64	18	18	12	22	1.05	−2.38	0.37	T.	6	8	8	15	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	27	33.0	−0.5	61	18	8	11	29	1.53	−2.16	0.47	T.	6	13	14	4	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	52	30.9	−0.4	59	18	6	11	30	1.90	−2.06	0.51	T.	9	11	9	11	nw.	John E. Benner.
Reading	Berks	273	67	34.5	+2.3	62	18	17	12	21	1.34	−2.22	0.36	4.1	11	8	7	16	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	4	27.5	......	46	18	6	9	29	2.67	......	1.05	8.0	10	11	5	15	n.	Theodore J. Sampson.
Scranton	Lackawanna	746	43	30.2	−0.5	54	18	8	11	25	1.95	−1.07	0.98	3.8	9	7	5	19	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	47	29.0	−2.6	52	22	−2	12	25	2.13	−0.88	0.70	8.8	9	12	7	12	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	41	33.8	−1.4	63	18	13	11	26	1.40	−2.13	0.47	T.	7	1	12	18	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	4	31.2	......	56	30	9	14	31	1.85	......	0.78	7.0	6	10	6	15	sw.	State Teachers College
State College	Center	1,217	53	27.4	−2.4	50	22	4	14	24	3.29	+0.62	1.03	7.5	11	10	5	16	w.	C. A. Kern.
Stroudsburg	Monroe	500	23	30.6	+0.4	55	18	5	11†	35	1.99	−1.37	0.88	2.5	5	10	3	18	w.	State Teachers College
Towanda	Bradford	754	43	28.4	−0.3	51	22	1	11	27	1.66	−0.53	0.71	4.3	8	8	6	17	ne.	Mrs. M. Ordella Parks.
Wellsboro	Tioga	1,419	67	26.5	−1.3	45	22	0	14	26	2.03	−0.11	0.59	7.7	12	18	3	10	n.	George W. Hill.
West Chester	Chester	455	88	33.7	+0.4	61	18	12	12	24	1.51	−2.29	0.58	0.5	7	12	6	13	nw.	Harlan Saylor.
Williamsport	Lycoming	521	51	29.2	−1.5	52	22	6	9	25	1.97	−0.92	0.97	4.2	8	13	0	18	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	22	30.6	−0.7	58	19	7	9	32	1.32	−1.55	0.52	6.0	7	13	6	12	sw.	Susquehanna Collieries Co.
York	York	400	49	32.3	−0.9	63	18	6	14	28	0.77	−2.16	0.24	T.	9	14	8	9	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	47	25.0	−2.9	48	31	−12	14	49	4.45	+1.43	1.10	9.6	16	4	5	22	......	Frank S. Fawcett.
Butler	Butler	1,077	24	27.6	−3.5	50	31	0	14	36	3.63	+0.62	1.06	6.0	9	10	4	17	nw.	William C. Faust.
Chambersville	Indiana	1,047	36	27.1	−2.9	55	18	−8	14	33	4.52	+1.19	1.09	6.7	16	8	3	20	sw.	John E. Lewis.
Clairton	Allegheny	1,020	5	29.7	......	55	17†	4	13	27	2.85	......	1.10	4.2	12	7	3	21	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	32	29.6	−3.1	55	18	−1	13	33	2.77	−0.19	1.00	4.6	14	9	5	17	s.	J. L. Melvin.
Corry	Erie	1,430	24	25.4	−3.0	45[b]	18	0	15	29[b]	3.81	+0.19	1.00	18.8	13	13	4	14	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	10	24.6	......	42	18†	−8	14	34	3.06	+0.50	0.52	17.0	13	8	3	20	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	40	30.2	−1.9	59	18	−1	14	29	4.01	+0.71	1.20	9.4	13	9	3	19	w.	Ted R. Wineman.
Donora	Washington	762	11	32.6	−3.5	55	31	11	13	27	2.73	+0.25	0.94	5.3	9	2	5	24	sw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	20	27.2	−1.7	52	17	1	14	30	4.55	+1.57	1.03	15.5	13	11	6	14	w.	D. H. Jones.
Franklin	Venango	957	63	25.8	−3.6	50	31	−4	14	39	2.41	−0.77	1.03	9.5	13	6	0	25	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	28	30.1	−2.8	56	18	3	13	26	3.54	+0.49	1.02	9.3	17	10	4	17	sw.	Westmoreland Water Co.
Greenville	Mercer	950	41	27.4	−2.9	45	31	−6	14	31	3.37	+0.47	0.92	6.8	15	7	3	21	......	Charles P. Clarke.
Grove City	Mercer	1,256	30	27.1	−2.9	51	18	0	11	28	1.48	−1.62	0.22	7.2	18	8	2	21	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	13	29.2	−3.2	54	18	0	13	29	3.75	+0.86	1.06	7.0	18	12	8	11	......	W. F. Gallagher.
Johnstown	Cambria	1,184	55	31.0	−1.5	58	17	5	13	27	3.92	+0.15	1.08	8.4	16	10	4	17	sw.	Robert Tross.
Kane (near)‡‡	Elk	2,020	5	23.6	.	44	18	−2	14	29	3.80	......	0.98	19.0	13	6	3	22	sw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	45	29.0	−3.5	57	18	5	12	22	4.02	+0.47	1.10	12.8	17	6	5	20	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	43	25.6	−3.5	49	31	−10	13	39	2.76	−0.42	1.14	8.2	18	6	5	20	sw.	Paul F. Coy
Midland	Beaver	691	....	31.4	......	51	18	7	13	28	3.26	......	1.19	4.0	14	8	4	19	nw.	Perry P. Campbell
New Castle	Lawrence	808	57	27.2	−3.6	49	18	1	14	29	3.18	+0.48	1.19	4.3	15	4	8	19	sw.	New Castle Water Co.
Newell	Fayette	800	17	31.4	−3.8	55	17	1	13	25	2.90	+0.33	0.70	4.8	10	9	11	11	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	95	29.6	−4.6	54	18	6	9	24	2.99	+0.13	1.15	4.2	14	6	6	19	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	30	25.0	−2.8	46	17†	−11	14	49	3.57	−0.20	1.06	7.5	15	5	3	23	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	20	27.2	−2.4	52	17†	−2	12	25	2.79	−0.44	0.47	8.4	13	8	5	18	w.	J. D. Beachy.
Sharon‡‡	Mercer	940	24	29.2	−1.6	47	31	7	14	21	2.95	+0.57	1.18	4.0	10	9	4	18	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	70	26.1	−2.8	52	17†	−14	13	37	2.71	−1.37	0.64	9.7	18	6	8	17	sw.	D. L. Grove.
Uniontown	Fayette	1,100	49	31.5	−3.4	59	18	0	12†	28	2.45	−0.98	0.58	8.5	17	10	3	18	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	28	30.7	−2.6	59	25	2	14	33	2.21	−0.77	0.76	......	11	....	....	....	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	48	25.4	−3.1	45	18	−5	14	32	3.04	−0.04	0.53	12.4	16	6	4	21	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	6	30.8	......	57	17	−1	12	30	2.44	......	1.05	2.0	7	2	9	20	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	65	29.1	−2.8	47	31	10	14	23	3.55	+0.72	0.94	11.6	14	4	2	25	sw.	U. S. Weather Bureau.
For the State	......	......	50	29.7	−1.5	66	18	−14	13	49	2.45	−0.66	1.88	5.7	10	10	5	16	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-2-4-38-1050.

Daily Precipitation for December, 1937

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh						.21	.15									.21	.24	.45	.01		T.				.16			.18	T.			1.61
Altoona	Juniata				T.	.10	.50	.05								T.	.35	.88	.90			.10	T.		.04	T.		.20		T.	T.	.12	3.24
Ansonia‖	W. Br. Susq					T.	.29	.01		.01							.33		.18	.94	.04			T.		.04	T.		.02				1.86
Ardmore‡	Lower Del					T.	.46	T.									.02	.43	.03			.02			.26				.10				1.32
Arendtsville	Lower Susq						.35											.62							.02			.05				.01	1.05
Baker's Summit	Juniata						.40										.23	.52	.65							.07			.06	.12		.05	2.10
Bedford	Juniata					T.	.50	T.	T.							T.	.34	.27	.64	T.	T.	T.			T.	T.		T.	.22				1.97
Bellefonte	W. Br. Susq					.13	.15	T.	T.	T.		T.		T.		.03	.27	.84	.47		.02	T.	T.	T.	T.	T.		.11	.12			.16	2.30
Bethlehem	Lehigh						.46	T.		T.						.61	.23	.26	.37			T.			.02	.18			.19				1.72
Big Knob	Middle Susq						.23	T.									.15	.17	.54	T.						.04			.22	T.			1.35
Bloserville‡‡	Lower Susq						.62											.03	.72										.30			.05	1.72
Buffalo Mills‖	Juniata						.51										.10	.16	.68	.03									.18				1.66
Carlisle	Lower Susq					T.	.29			T.						.01	.10	.20	.63		T.		T.		T.	.03		T.	.12			T.	1.88
Catawissa	N. Br. Susq																																
Center Hall	Susquehanna					.10	.85									.42	.16	.38	1.88		.01					.12		.21				.22	4.35
Chambersburg	Potomac						.35									T.	.01	.18	.75			T			T.				.25			T.	1.54
Clearfield	W. Br. Susq					.11	.20	.10								.32	1.03	.80	.65	T.	.02	T	T.		.25	T.		T.	T.		.05	.13	3.66
Coatesville	Lower Del						.35									T.	.22	.20	.09				T.		.26				.24				1.36
Colebrook	Lower Susq						.29									.05	.07	.20	.43		T				.08	.11		.01	.16			.11	1.51
Conshohocken	Schuylkill						.29									T.	.04	.10	.31			.01			.14	.09			.13				1.11
Doylestown	Lower Del						.39										.16	.13	.29						.06	.20			.11				1.34
Du Bois	W. B. Susq				.12	.28	.08		.01	T.			T.			.18	.81	.58	1.01	T	.06	.09	.01		.12	.08	T.	T	.04		T.	.11	3.58
Emporium	W. Br. Susq					.07	.36	.06	T.							.37	.62	.55	1.01		.04	.03	T.									.29	3.40
Ephrata	Lower Susq						.29	T.								T.	.09	.14	.28			T.			.17	.01		T.	.23				1.21
Forest City	N. Br. Susq						.09	.38	.09	.05							.52	.13	.75	.14						.08			.05	.02		T	2.30
Fredericksville	Schuylkill						.35	T.								T.	.21	.18	.35			T.			T.	.11			.21				1.41
Freeland‖	Lehigh						.08	.19	T.	.01				T		T.	.13	.33	.73	.09		.02	T			.15	T.		.07			T.	1.80
Galeton	N. Br. Susq					.11	.22	.04	.02	.01				T.	T.	.11	.39	.59	.69		.02	.03		T.	.03	.03			.03			.12	2.44
George School	Lower Del				.02		.50										.20	.07	.41			T.			.06	.19			.15				1.60
Gettysburg	Potomac					T	.37	T.								T.	T.	.03	.26				T.	T.	.02	.02			.12			T.	0.82
Girardville‖	Lower Susq					.22	.05	.05	.08							.27		.84	.07		.05				.13			.13				.24	2.08
Gordon	Lower Susq						.10	.12								.08	.32	.26	.68							.12			.18				1.86
Gouldsboro‖	Lehigh						.20	.20									.46	.21	.52	.11		T.							.10				1.80
Graterford	Schuylkill						.38	T.										.14				.03			.09	.07			.08				0.79
Hamburg	Schuylkill						.31	T.								.02	.18	.24	1.02							.10			.17				2.04
Hanover	Lower Susq					T.	.28	.02								T.	T.	.06	.24						.03	.06			.19			T.	0.88
Harrisburg***	Lower Susq					.03	.30	T.	T.	T.						.05	.03	.73	.17			T.	T.		.02	T.	T.	.01	.13			.05	1.52
Hawley‖	Upper Del						.09	.25	.02	T.							.47	.31	.85	.04		T.				.09			.05	T.			2.17
Hollisterville	Upper Del						.10	.37	.08	.04					T.		.14	.63	.77		T.	.03			.05				.04			T.	2.25
Holtwood‖	Lower Susq						.16	T.									.06	.02	.16							.13			.17				0.70
Huntingdon	Juniata					.03	.32									•	.20	.30	1.05		T.				T.	.03		.20	.04			.11	2.28
Hyndman	Potomac																																
Kylertown	W. B. Susq					.14	.28	.17	.02	.01		T.	T.	.01	T	.36	.44	1.17	.60	T.	.02	.08	T.	T.	.04	.04		.01	.02		T.	.17	3.58
Lakeville‖	Upper Del						.08	.26	.02		.01				.01		.50	.35	1.08	.03		T.			T.	.15			.07	.01			2.57
Lancaster	Lower Susq						.23									T.	.10	.06	.23			T.		.04	.15	.03			.26				1.10
Lansford‖	Lehigh						.20	.05		T						T.	.30	.21	.90	.03		.01				.15			.16	T.			2.01
Lawrenceville	N. Br. Susq					T.	.20	.15	T.	.05							.10	.33	.55		.05								T.			.10	1.53
Lebanon	Lower Susq				T.	.23	.01		T.							.18	.18	.70	.07		T	T.			T.			.17					1.54
Lehighton‖	Lehigh						.35	T.		T.							T.	.50	.90	T.		T.				.05			.02				1.82
Lock Haven	W. Br. Susq					.15	.10	.40								.15	.53	.47	1.02						.02	.09			.03			.03	2.99
Marcus Hook	Lower Del						.45		T.								.07	.31	T			T.			.18				.16				1.17
Matamoras‖	Upper Del						.23	.18									.53	.38	.72							.23			.07				2.34
Mauch Chunk	Lehigh						.11									T.	.30	.24	.11						T.	.21			.22	.10			1.29
Mifflintown	Juniata																																
Montrose	N. Br. Susq						.26	.10									.30	.39	.88	T.		.02							.09			.03	2.07
Morris Run	N. Br. Susq					.06	.30	.15	.04	.09						T.	.20	.46	.74		.05	.03			.03				.06			.04	2.25
Mount Pocono	Upper Del						.22	.20	T.								1.10	1.30	.60	.10	T.				.30	.20						.25	4.27
Muncy Valley	W. Br. Susq						.23	.14		T.						T.	.24		.94			.09			T.				.13			T.	1.77
Neshaminy Falls‖	Lower Del					T.	.55		T.							T.	.21	.41	.03			.01			.22	.01		T.	.18			T.	1.62
New Bloomfield	Juniata						.38									.07	T	.22	.80		T.				T.	.80		T.	.24			.04	2.55
New Park	Lower Susq						.26										.24	.02							.27				.48				1.27
Newport‖	Juniata						.35	T									.32	.20	.65	T.		T.				.08			.03				1.63
Palmerton‡	Lehigh						.34	T.								.07	.18	.82	.40		T.	T			.12			.02	.20			.19	2.34
Paupack‖	Upper Del						.08	.25									.35	.43	.80	.05						.10			.05				2.11
Philadelphia***	Lower Del					T.	.35	T.	T							T.	.02	.37	T.			.01	T.		.19			T	.11			T.	1.05
Phila. Navy Yard‡	Lower Del						.51		T							T.	.11	.23	.21			.02	.01		.19			.06	.08			.02	1.44
Phila-P'nt Breeze.‡	Lower Del					T.	.46		T.							T.	.14	.30				T.	T		.19				.10			T.	1.19
Phoenixville	Schuylkill						.41	T.								T	.19		.47			T.			.13	.18			.15				1.53
Pine Grove	Lower Susq					.05	.25	.05	T.							.15	.08	.98	.25			T.			.24			.06	.14			.40	2.65
Pleasant Mt.‖	Upper Del							.86	.07							.50			1.11			.05											2.59
Pottstown	Schuylkill																																
Pottsville	Schuylkill						.18	T.								T.	.27	.22	.82			T.			T	.15			.16			T.	1.80
Quakertown	Lower Del						.51	.01								T.	.15	.24	.49			.03			.24	.03			.20				1.90
Reading***	Schuylkill					.01	.31	T.		T.						.11	07	.36	.03		.01	.02			.21			.04	.17			T.	1.34
Renovo‖	W. Br. Susq						.32			.01							.90		1.16	.08		.02	.01			.10			.06				2.66
Retreat	N. Br. Susq						.17	.28								.05	.26	.69	.05		T.	.01			.09				.02			1.05	2.67
Scranton***	N. Br. Susq					T.	.25	.13	.02	T.		T.	T.	T.	T	.06	.13	.80	.29	T.	T.	T.	T.	T.	.02	T.		T.	T.			.25	1.95
Selinsgrove	Lower Susq						.19									70	.24		.60			.02			.02	.06			.10			.20	2.13
Shawmont	Schuylkill						.47		T							T.	.20	.02	.37			T.			.06	.15			.13				1.40
Shippensburg	Lower Susq					T.	.55	T.	T	T.						T	T.	.30	.78					T		.05	T.		.13			.04	1.85
State College	W. Br. Susq				T	T.	.39	T	T.					T.		.33	.28	1.03	.67		.06	T.	T.	T.	.03	.06		.21	.09			.14	3.29
Stroudsburg‖	Upper Del						.40									T	.33	.29	.88										.09				1.99
Sunbury‖	Lower Susq						.20	.07		T.							.27	.25	.69	.03		T.	T.			.06	.07		.08	.01			1.71
Susquehanna‖	N. Br. Susq						.14	.30	.07				T.			T	.40	.30	.70	.15									.22	T.			2.28
Towanda	N. Br. Susq		T.			T.	.11	.20	T.	.01			T.	T	T.	T	.18	.71	34	T.	T.	.01			T.	T.	T.		T.			.10	1.66
Welkert	Lower Susq																																
Wellsboro	N. Br. Susq					.03	.27	.20	.04	.02						.02	.23	.59	.48		T.	T.			.03	.01						.11	2.03
West Chester	Lower Del						.58									T.	.18	.09	.27			T.	T.		.16	.03		.20					1.51
Westgrove‖	Lower Del						.40	.12									.12		.52					.02		.22			.30				1.70
Wilkes-Barre‖	N. Br. Susq						.05	.21	T.	.05							T		.58	T.		T.	T.			.02			.02				1.10
Williamsport‖	W. Br. Susq						.20	.02		T.						T.	.40	.21	.97	.07		T.				.05			.05				1.97
Williamstown	Lower Susq						.28	.04		T.						.04	.21	.11	.52			T	T.			.12			.12			T	1.32
York	Lower Susq						.21	.03								.02	.04	.05	.16						.04	.04		T.	.18				0.77
York Haven‖	Lower Susq						.28	.08									.06	.06	.44					.02		.03			.18	T			1.15
Zionsville..(near)	Schuylkill						.28	.01									.03	.37	.09	.02		T.			.24	06			.48				1.58
Trenton, N. J***	Lower Del						.37	T.	T.							.08	.12	.33	.01			T.			.11			T	.17			T.	1.14

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Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ohio Drainage																																	
Beaver Falls‖‖	Beaver					.01	.25	.03	T.	.01				T.	T.	.03	.51	.60	1.05	.06	T.	T.	.02	.01	T.	.11	T		.18	T.		.02	2.89
Blairsville	Allegheny					T.	.45	.08	.21	.04				T.		T.	.87	.84	1.27	.24	T.	.03		.04	T.	.23			.16	T.		.03	4.49
Bradford	Allegheny					.10	.33	.14	.06							.30	.63	.30	.81	.01	.04	.04			.06	.05			T.			.24	3.11
Brookville‖‖	Allegheny					.10	.45	.19	.05	.07		.01	T.	T.		.03	1.10	.35	1.42	.08		.18		.01	.02	.20			.19				4.45
Butler	Ohio					.10		.02									.92	.96	1.06		.02				.12			T.	.05			.28	3.63
Chambersville	Allegheny					.20	.33	.14	.03	T.			T.			.10	.89	1.06	1.09		.02	.02	T.	.08	.06	.06		.06	.18			.20	4.52
Clairton‡	Monongahela			T.		.32	.02	.02	T.							.24	.30	1.10	.20		.05		.03		.01	T.		.13			T.	.43	2.85
Clarion	Allegheny						.42	.11	.03	.04				.03		.04	1.06	.35	1.66	.10	.02	.12	.07	.02	.14	.01			.16	.04			4.42
Claysville	Ohio					.14	.13	.02	.03								.29	1.00	.73	T.	T.	T.	.08	.04	.06	.04		.09	.05			.07	2.77
Confluence‖‖	Youghiogheny					T.	.42	.10	.06	.04							.44	.35	.65	.14		T.		.06		.04			.35				2.65
Connellsville	Monongahela					.01	.47	.18	.01	T.						T.	.23	.41	.69	.18		.02		.06	T.	.04	T.		.03	T.		T.	2.32
Corry	Allegheny					.15	.20	.21	.07	T.			.30	.05		.71	T.	.34	1.00		.30	.07			.11	T.						.30	3.81
Coudersport	Allegheny					.08	.37	.25	.02	T.			T.			.19	.52	.45	.81		.02	.01	T.		.07	.03						.24	3.06
Derry	Conemaugh				T.	.22	.27	.18	.05	.02						T.	.66	.97	1.20	T.	.03	T.	.09					.22	.03		T.	.07	4.01
Donora‖‖	Monongahela					.42		.01	T.							T.	.19	.94	.69	T.	T	T.	.14		T.	.02		.15	T.			.17	2.73
Ebensburg	Conemaugh					T.	.35	.30	.29	T.	T.						.95	.74	1.03	.21		.13		05		.15	T.		.18	.12		.05	4.55
Franklin‖‖	Allegheny					.15	.20	.12	.06	.05						.03	.12	.25	1.03	.18		.15				.05			.02				2.41
Greensboro‖‖	Monongahela					.04	.46	.02	.02	.02						T.	.18	.29	.38	22		.02		.08	.02	.03	.01		.29			.01	2.09
Greensburg	Youghiogheny				T.	.23	.18	.22	.06	T						.15	.30	1.02	.91	T.	.04	T	.09	03	.03	.02		.10	.05		.01	.10	3.54
Greenville	Beaver					.12	.20	.10	.02				.09	T.		.15	.60	.60	.92	T.	.05	.01	T.	T.	.15	T.		.02	.02			.32	3.37
Grove City	Beaver					.17	.22	.10	.15			.02	.02	.01		.03	.10	.13	.06	T	.04	T.	.08		.06	.02		.07	.05		T.	.20	1.48
Herrs Isl. Dam‖‖	Ohio				T.	.15	.29	.03	T.	T.				T.		T.	.46	.72	.76	.15	T.	T.	.06		.02	T			.11		.02	.27	3.04
Irwin	Monongahela					.32	.35	.05	.06	.02						.08	.29	1.06	.91	.02	.03	T.	.10	.07	.04			.20	.04		.02	.09	3.75
Johnstown	Conemaugh				.02	.13	.27	.14	.03							.08	.61	1.08	.64	T.	.04	T.	.05		.06	.07		.15	.21		T.	.34	3.92
Kane (near) ‡‡	Allegheny					.07	.38	.19	.09				T.	T.		.36	.70	.46	.98	T	.07	.02	T.	T.	T	.13		.08				.27	3.80
Kregar‖‖	Youghiogheny				.02	.42	.18	.08	.05							.64	.50	.86	.24		.07		.12	T.	.04	.03		.12	T	.02		.60	3.99
Lake Lynn‖‖	Monongahela					.03	.48	.03	.02	.02							.19	.25	.46	.33		.01		.10		.04			.28	.01			2.25
Linesville‖‖	Beaver					.02	.28	32	.02				.11			.15	.74	.23	.95	.04	.07	.14				.09			.02			T.	3.18
Lock No 2‖‖	Ohio					.02	.26	.03	T							T.	.52	.88	.86	.04		T.		.05	.02	.14			.12			.05	2.99
Lock No. 4‖‖	Monongahela					.06	.33	.13	.01	.02							.18	.50	1.06	.12		.01		.13	.01	.06	.03		.18				2.83
Lock No. 5‡‡‖‖	Allegheny					T.	.39	.10	.01					T	T.	.01	.70	.78	1.04	.14		.01	T.	.03	[illegible]	.12	.03		.31	T.		.03	3.66
Lycippus	Conemaugh				T.	.18	.36	.28	.08							.05	.55	.75	1.10	.03	.05		.14	.12	.06	.14	.15	.04			T.	.04	4.02
McKeesport‖‖	Monongahela					.03	.24	T.	T	T.						T	.24	.59	.91	.02				.27	T.	.01	T.		.09			.02	2.42
Meadville	Allegheny					T	.20	.05	.01	T.		T.	.01	T.		.10	.84	.23	1.14	.02	T.	.08	T.	T		.05	T.		.01	T.		.02	2.76
Midland	Ohio					.03	.23	.03	T.							T.	.53	1.19	.74	.01	T.	.02	T.	.04	.07	.06		.12	.05		T.	.14	3.26
Mosgrove‖‖	Allegheny					.02	.41	.10	.03	.01				T.		T.	.90	.58	1.34	.25		.14	.02	.03	T	.15			.29			T.	4.27
Mount Lebanon	Ohio				T.	.32	.09	.05	.04							.09	.37	1.07	.57	T.	T	T.	.08		.04				T.		T	.18	2.90
Natrona‖‖	Allegheny					.01	.40	.08	.05	.02				T.	T.	.01	.73	.77	.98	.14		.03	T.	.03	T.	.10			.23			.02	3.60
New Castle‖‖	Beaver	T.	T.	T.	T.		.31	.04	.01	.01						.09	.55	.45	1.19	.05	.01	.05	T.	T.	.03	.05			.20	T.	T.	.14	3.18
Newell	Monongahela					.22	.20	.20	.05								.40	.70	70			.03		.20					.20				2.90
Parkers Landing‖‖	Allegheny					T.	.40	.15	.03	.08	T	T.	T.	T.		T.	.98	.42	1.52	.12	T.	.07	T	T	T.	.18	T.		.20	T.		T.	4.15
Pennline‖‖‡‡	Beaver						.10	.11	.01	.02	T.		.05		.16	.75	.28	.85	.21	.02	.07					.12						.12	2.87
Pittsburgh***	Ohio				T.	.39	.07	.02	.03			T.		T.		.08	.34	1.04	.57	T	.03	T.	.08		.05	.01		.06	T.		T.	.22	2.99
Punxsutawney‖‖	Allegheny					T.	.45	.16	.09	.04						T.	.98	.61	1.35	.07		.09	T.	.07		T			.26			T.	4.17
Ridgway	Allegheny					T.	.47	.10	.02	.03		.02	.02	T.		.12	1.05	.35	1.06	.15	T.	.07	T.	.02		.06	T.		.03	T.			3.57
Salisbury (near)	Youghiogheny				T.	.25	.40	.30	.07	T.						.11	.42	.46	.47			T.	T.		.04	.03		.09	.13			.02	2.79
Saltsburg‖‖	Conemaugh					T.	.40	.10	.03	.02				T.	T.	T.	.73	.79	1.10	.09		.04	T	.08	.01	.02	T.		.23	T.		.02	3.06
Sharon‖‖	Beaver						.15	.04		.01				T.		.09	.77	.92	1.18			.10	T.						.25			.04	2.95
Smethport‖‖	Allegheny					T.	.36	.20	.10	.03	T.						.40	T.	.80	.10	T	.10				T			T.			T	2.19
Somerset	Youghiogheny				T.	.13	.26	.15	.03	.03						.06	.45	.57	.64	.01	T	.06	.02	.01	.01	.02		.10	.09		T.	.07	2.71
Springdale‖‖‡‡	Allegheny					.03	.28	.11	.03	.03							.76	.83	.92	.23	T	.04		.05	T				.21	T		.04	3.56
Uniontown	Monongahela				T.	.25	.30	.12	.03							.01	.25	.46	.58	.01	.02	.02	.04	.04	T	.07		.15	.04		T	.06	2.45
Unity Reservoir‡‡	Youghiogheny					.28	.30	.07	.04	T.						.11	.34	1.05	1.00	.02	.02	.01	.14	.10	.02	.02		.06	.01		T.	.10	3.69
Vandergrift‡	Conemaugh					.25	.30	.03	.01							.36		.76			.01		.02			.04			.16			.27	2.21
Warren	Allegheny					.06	.38	.20	.15	.05			.10			.20	.25	.45	.53		.10	.09		.10		.10		.04				.24	3.04
Waynesburg	Monongahela					.10			.15									1.05	.72				.16		.08			.18					2.44
Westford‖‖	Beaver				.02	.16	.60	.54	.29	.24	.21	.58	.41	.19	.32	.26	.25	1.10	.02		.25	.06			.20			.02					5.72
West Newton‖‖	Youghiogheny					.04	.30	.20	.20	.10			.10			.10	.35		.92	.06	.04	.15		.10		.10			.04			.04	2.84
Lake Drainage.																																	
Erie***	Lake Erie	T.			T.	.35	.18	.10	T.	T.	T.	.03	.10	T.		.76	.21	.72	.19	T.	.16	.04	.01	T.	.01	T		T.	T.		T.	.69	3.55

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Springdale, Cheswick, (P. O. Barking, Pa.) : of Pennline, Linesville: of Unity Reservoir, Greensburg: of Girardville, Shenandoah; of Kane, Wilcox: of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.12	30.63	29	29.53	18	13.0	34	sw.	8	80	74	77	15
Harrisburg	30.16	30.62	29	29.53	18	7.1	25	sw.	22	68	58	64	53
Philadelphia	30.16	30.60	27	29.42	6	11.9	27	w.	7	66	58	60	47
Pittsburgh	30.15	30.62	29	29.48	18	10.3	33	sw.	22	87	73	76	35
Reading	30.15	30.62	29	29.49	6	10.7	39	w.	7	71	55	60	45
Scranton	30.14	30.60	29	29.44	7	6.3	24	nw.	18	72	61	68	38

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	3.5	7.1	19	2.4	13	18
Easton	Delaware	3.8	8.4	20	1.4	14	22
Lehighton	Lehigh	3.7	4.9	19	3.1	14	9
Wilkes-Barre	Susquehanna	5.9	14.2	20	2.9	15	20
Williamsport	Susquehanna	4.3	16.2	19	1.6	12	20
Harrisburg	Susquehanna	5.9	11.5	20	4.4	8	18
Greensboro	Monongahela	13 8	27.3	18	11.3	13	30
West Newton	Youghiogheny	2.7	9.8	18	0.6	9	20
Lock No. 4	Monongahela	14.3	26.2	19	11.2	14	30
Pittsburgh	Ohio		27.5*	19	10.9*	10	25
Midland	Ohio		36.0*	19	12.4*	26	30

* Pool stage.

Daily Temperatures for December, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	32	36	40	35	34	31	21	29	29	24	20	22	20	26	25	45	44	45	36	30	31	45	37	30	43	36	35	35	39	45	36	33.5
	Minimum	19	15	15	19	31	21	14	14	4	10	12	10	7	3	10	24	34	35	29	28	24	30	29	20	29	30	24	30	25	26	31	21.0
Bedford	Maximum	43	37	39	39	38	32	26	31	32	26	25	25	24	29	27	56	55	54	39	35	51	42	40	34	47	46	40	42	43	54	46	38.6
	Minimum	19	16	13	14	20	24	16	15	10	12	4	0	−1	2	8	25	40	37	31	27	33	32	32	20	32	34	20	32	25	26	36	21.1
Bethlehem	Maximum	46	39	44	48	45	[illegible]	35	35	33	29	26	29	27	30	32	44	41	59	54	41	35	51	49	39	41	43	41	38	38	44	44	40.1
	Minimum	28	28	23	27	32	32	23	18	15	18	15	14	16	15	20	28	34	39	37	33	29	31	38	23	30	32	30	31	28	28	34	26.6
Brookville	Maximum	36	36	41	40	35	29	25	27	18	23	22	27	22	27	41	35	41	41	32	38	40	42	33	37	38	41	37	36	41	39	48	34.5
	Minimum	10	6	6	7	12	24	15	11	5	6	2	1	6	−12	−8	17	32	34	29	27	25	23	27	17	27	29	18	16	21	21	30	15.6
Butler	Maximum	37	37	42	40	32	30	23	27	27	20	21	26	25	21	45	38	40	43	36	34	31	46	47	36	38	38	43	38	39	43	50	35.3
	Minimum	14	12	11	15	15	21	15	14	7	10	5	10	8	0	9	27	34	34	28	28	24	32	29	24	26	21	30	33	25	29	30	19.9
Carlisle	Maximum	42	42	43	45	42	38	30	35	35	29	30	31	28	34	29	42	40	60	44	42	37	55	50	34	36	50	43	37	45	54	50	40.4
	Minimum	22	23	19	19	31	30	19	12	12	15	8	11	12	11	14	27	35	37	38	32	32	30	34	22	30	28	20	32	28	26	35	24.0
Chambersburg	Maximum	42	42	45	42	38	36	42	34	32	30	31	32	28	35	29	57	42	59	49	42	38	54	46	38	47	49	38	40	47	59	49	41.4
	Minimum	26	24	21	19	32	29	20	16	13	16	9	8	6	6	12	26	35	36	29	32	31	31	32	23	28	31	24	34	32	27	36	24.0
Chambersville	Maximum	34	35	41	40	40	34	24	28	27	20	19	22	21	24	31	45	45	55	39	33	31	47	38	38	43	40	40	41	40	43	48	35.7
	Minimum	12	8	8	14	31	21	13	11	5	6	5	5	3	−8	2	29	32	33	27	26	22	19	27	21	35	28	18	31	23	28	29	18.5
Claysville	Maximum	35	37	44	41	40	32	20	28	21	23	20	24	23	26	38	49	54	55	37	33	39	49	41	47	47	41	38	43	46	47	51	37.7
	Minimum	14	11	11	19	29	18	13	15	5	10	6	2	−1	14	13	36	40	34	29	28	26	33	27	25	38	28	20	33	24	34	35	21.6
Clearfield	Maximum	35	38	48	42	46	36	35	36	38	28	24	24	23	28	35	39	36	36	35	39	36	45	46	36	36	40	40	42	42	36	40	36.8
	Minimum	18	8	7	10	32	21	8	10	8	6	5	8	3	−7	10	22	31	22	27	30	29	30	30	28	22	20	28	26	30	30	27	18.7
Coatesville	Maximum	41	36	39	43	47	39	33	35	32	20	29	19	20	23	30	40	40	61	47	40	36	49	46	36	49	44	43	39	39	41	37	37.8
	Minimum	27	27	22	21	31	30	22	20	15	14	11	13	15	13	18	28	35	37	33	30	27	28	28	20	32	27	22	30	28	25	32	24.5
Corry	Maximum	34	....	....	40	39	32	25	25	15	17	19	25	22	27	29	39	35	45	33	31	33	39	37	38	39	39	39	35	41	35	42	32.7[b]
	Minimum	15	10	11	21	29	20	15	5	5	5	9	10	8	12	0	26	29	30	25	23	19	28	17	13	29	24	17	30	16	28	28	18.0
Emporium	Maximum	36	38	42	40	38	36	26	28	28	21	21	25	22	29	29	42	38	43	36	33	30	47	44	45	45	45	39	40	42	41	42	35.8
	Minimum	12	7	7	12	35	25	17	15	9	12	9	10	8	−7	4	29	33	35	30	27	23	30	22	12	22	30	16	32	19	22	31	19.0
Erie*	Maximum	33	35	42	42	36	30	29	28	17	17	19	26	24	27	40	41	37	36	34	32	36	41	35	42	38	36	42	37	41	41	47	34.2
	Minimum	24	23	24	33	29	21	18	12	10	12	14	18	12	10	17	34	33	31	29	27	21	35	21	21	31	30	28	31	27	32	33	24.0
Franklin‡	Maximum	31	37	41	40	36	28	24	23	17	19	22	25	23	27	35	35	44	38	33	31	37	44	34	37	36	42	37	37	42	37	50	33.6
	Minimum	16	11	11	12	20	23	16	14	7	8	9	11	14	−4	−4	16	32	32	28	26	21	23	27	18	28	29	19	19	22	22	29	17.9
Freeland	Maximum	30	31	33	37	34	32	26	23	21	19	16	18	15	22	24	31	35	49	33	28	27	42	41	26	31	34	29	31	31	36	28	29.5
	Minimum	19	21	15	19	30	26	14	11	3	9	10	8	8	8	12	22	22	32	28	25	20	24	24	18	26	26	25	25	28	23	26	19.6
Gettysburg	Maximum	45	40	41	44	40	37	31	36	34	31	31	31	27	33	30	54	45	55	47	41	39	52	49	40	52	49	43	39	46	47	50	41.3
	Minimum	28	27	23	20	23	30	21	16	12	17	13	10	14	10	14	27	37	39	33	33	32	33	40	24	29	33	23	32	30	30	34	25.4
Greensburg	Maximum	33	36	39	41	39	33	21	27	21	22	21	23	21	24	39	47	54	56	37	33	33	48	39	45	45	41	40	42	44	50	51	36.9
	Minimum	19	16	15	24	32	21	14	14	8	8	7	7	3	8	13	39	40	36	30	30	27	33	30	26	38	31	25	31	34	31	33	23.3
Grove City	Maximum	33	38	43	39	38	32	22	26	20	18	22	24	23	27	30	42	39	51	34	30	32	42	37	41	42	38	35	36	40	37	47	34.1
	Minimum	16	16	15	24	30	19	14	13	4	7	0	15	13	15	11	24	22	29	26	24	20	29	24	22	32	25	23	29	23	29	29	20.1
Hamburg	Maximum	38	38	37	41	41	34	32	32	31	26	28	27	24	28	30	42	39	58	44	38	36	47	44	34	40	42	39	38	37	39	38	36.8
	Minimum	26	28	23	22	32	31	22	18	14	11	9	14	16	15	20	32	34	38	36	32	32	32	34	21	30	32	28	30	30	28	32	25.9
Harrisburg*	Maximum	39	36	38	43	42	35	31	34	28	28	28	30	23	31	29	46	41	56	42	40	38	53	45	32	44	46	40	41	41	52	40	38.5
	Minimum	30	29	25	25	33	25	19	18	16	18	16	15	16	16	22	28	36	38	34	34	32	35	28	25	30	34	29	32	33	31	35	27.0
Hawley	Maximum	38	35	40	47	42	39	33	29	27	26	24	26	20	26	31	36	37	47	37	33	31	47	45	27	40	41	36	33	34	41	33	34.9
	Minimum	15	13	12	11	23	30	20	15	7	1	−2	−1	1	7	12	25	29	33	31	27	20	27	25	10	25	27	15	24	21	13	27	17.5
Holtwood*	Maximum	40	41	39	46	43	39	33	37	34	30	29	28	26	30	32	46	41	60	42	39	37	50	46	35	48	46	37	39	39	41	40	39.1
	Minimum	32	30	27	27	35	30	23	23	20	18	17	15	19	19	23	33	36	41	33	32	32	34	32	26	34	29	26	33	30	31	36	28.3
Huntingdon	Maximum	40	41	40	40	36	32	27	34	28	30	27	27	24	31	29	49	40	47	38	36	37	57	44	32	40	45	35	39	43	53	40	37.5
	Minimum	16	13	12	13	32	22	18	18	9	12	9	9	1	−3	8	28	34	37	34	32	29	34	21	17	30	25	18	33	25	21	33	20.6
Johnstown	Maximum	42	43	43	41	40	35	23	31	25	26	25	28	26	30	33	54	58	52	38	35	36	51	41	37	45	43	28	41	45	51	46	38.8
	Minimum	22	18	16	18	34	20	15	16	9	13	10	8	5	6	13	32	42	37	31	31	21	35	30	25	35	31	24	33	29	28	34	23.3
Lancaster	Maximum	44	40	42	45	45	43	34	38	35	31	30	31	26	32	31	49	45	63	58	52	45	54	50	37	49	47	40	38	40	42	39	41.8
	Minimum	20	23	20	15	30	30	22	20	14	12	8	9	9	10	12	23	31	38	30	29	29	26	34	18	31	22	16	31	25	23	33	22.4
Lawrenceville	Maximum	39	36	41	46	38	36	30	30	27	18	18	19	19	18	25	40	36	36	36	33	32	42	42	33	33	42	38	39	38	35	34	33.2
	Minimum	18	12	10	14	31	28	18	14	−1	4	8	5	4	−2	3	24	30	32	29	23	20	30	22	15	29	25	18	25	18	28	28	18.1
Lebanon‡	Maximum	41	40	41	46	43	35	33	37	29	30	29	30	25	30	32	47	52	52	40	40	38	54	40	....	40	46	40	38	42	50	....	39.3[b]
	Minimum	24	26	23	18	19	32	22	16	13	13	10	10	11	12	15	23	31	32	31	30	31	30	35	23	....	24	22	23	30	28	28	22.8[a]
Lock Haven	Maximum	42	36	36	37	36	34	31	31	33	26	26	27	27	30	27	39	38	43	43	36	34	50	50	37	36	42	43	40	41	44	42	36.7
	Minimum	19	16	15	16	30	30	20	19	11	14	10	16	12	2	11	25	33	35	34	31	28	32	33	23	29	34	22	32	24	24	33	23.0
Marcus Hook*	Maximum	43	41	45	47	46	40	38	39	35	41	33	32	33	39	53	48	65	61	45	40	51	50	48	51	52	48	45	43	48	47	52	45.1
	Minimum	33	26	30	36	37	27	25	22	22	21	18	20	18	24	32	39	48	35	32	34	34	43	27	33	34	40	35	34	32	35	37	31.1
Meadville	Maximum	35	36	40	40	34	23	25	26	17	16	19	23	19	33	40	35	44	34	32	30	38	41	34	41	35	40	38	37	41	35	49	33.2
	Minimum	12	13	16	29	23	16	15	7	7	6	11	6	−10	−6	18	32	32	28	25	22	23	22	18	29	24	18	21	20	21	31	32	18.1
Montrose	Maximum	35	33	37	42	36	35	30	25	24	22	22	23	17	22	31	35	35	46	38	31	27	44	41	28	35	37	35	34	35	33	30	32.2
	Minimum	18	15	14	21	29	27	17	11	1	4	5	8	6	7	10	22	29	32	27	21	12	24	20	16	26	26	22	24	18	19	25	17.9
Mount Pocono	Maximum	34	30	35	40	35	33	29	28	22	21	17	18	14	22	31	34	38	51	40	29	27	45	35	29	35	37	34	35	29	37	30	31.4
	Minimum	19	9	16	18	28	26	15	15	5	9	5	3	4	7	10	23	30	33	25	24	23	23	23	11	20	23	20	26	16	20	27	17.9
Philadelphia*	Maximum	45	38	43	46	46	42	34	38	38	33	31	32	28	34	37	51	46	64	47	42	38	51	49	38	52	46	45	44	41	46	41	42.1
	Minimum	33	31	26	31	37	33	24	24	21	23	22	18	19	19	23	30	39	42	34	34	31	35	30	26	37	38	33	35	31	31	36	29.9
Pittsburgh*	Maximum	33	35	38	41	36	26	20	28	20	21	20	25	21	23	41	49	53	54	32	34	37	48	38	46	44	41	39	43	44	45	51	36.3
	Minimum	20	19	19	22	26	14	13	9	6	10	9	9	8	11	17	38	39	32	30	29	25	35	27	26	32	29	27	34	30	32	32	22.9
Quakertown	Maximum	43	35	39	46	45	40	35	34	33	28	27	28	25	30	36	44	41	59	49	39	35	48	45	37	45	42	40	36	38	41	39	38.8
	Minimum	24	26	21	16	26	32	22	18	14	10	6	10	10	14	18	28	32	37	32	29	27	24	30	19	31	26	21	30	27	22	31	23.0
Reading*	Maximum	40	41	44	46	45	37	33	39	32	33	29	30	27	30	35	46	44	62	43	39	41	54	48	35	44	46	44	40	41	46	40	40.5
	Minimum	30	28	26	25	35	29	23	21	17	20	18	17	19	17	21	31	37	41	33	33	31	39	31	24	34	36	32	33	33	34	36	28.5
Ridgway‡	Maximum	34	36	41	40	35	28	25	30	19	20	20	24	19	29	43	35	46	44	34	31	37	45	35	39	37	39	38	40	42	38	46	34.5
	Minimum	12	6	6	8	15	24	15	13	6	7	5	10	0	−11	−6	16	32	34	28	26	22	22	26	16	25	29	14	15	18	18	30	15.5
Scranton*	Maximum	39	36	38	45	42	37	30	31	24	27	22	27	20	26	30	39	42	54	38	34	34	50	42	37	39	43	36	39	33	40	37	35.8
	Minimum	25	21	20	20	33	29	20	18	12	15	8	14	13	13	20	29	34	37	34	30	24	34	23	20	34	31	28	32	25	29	33	24.5
Selinsgrove	Maximum	44	35	35	40	36	38	34	31	33	26	23	23	20	31	27	39	49	50	45	35	34	52	47	34	35	38	37	35	35	44	43	36.4
	Minimum	20	16	20	17	32	28	19	10	12	8	3	−2	12	6	11	26	30	34	35	31	29	31	30	19	25	31	21	31	27	26	32	21.6
Somerset	Maximum	32	34	39	40	33	33	19	26	25	17	19	21	23	31	33	47	52	52	34	30	30	45	36	38	38	37	36	39	48	48	50	35.0
	Minimum	12	10	8	11	30	19	10	10	2	3	−1	−10	−14	−5	0	33	41	33	28	26	21	29	21	19	35	29	16	29	23	32	32	17.2
State College	Maximum	35	35	34	39	34	30	25	32	24	25	23	24	21	26	28	45	39	45	36	33	34	50	35	32	40	41	37	39	39	46	38	34.3
	Minimum	18	15	14	15	22	22	15	14	6	10	9	8	10	4	10	27	31	36	29	28	24	32	28	20	24	30	25	28	25	28	30	20.5
Stroudsburg‡	Maximum	46	36	42	50	44	35	34	34	28	30	29	30	28	30	41	39	42	55	42	38	37	49	39	39	35	36	41	38	46	45	38	38.6
	Minimum	21	20	17	15	16	30	24	17	13	12	5	5	9	14	15	23	31	34	36	32	28	29	35	28	28	22	26	30	26	29	33	22.7
Towanda	Maximum	40	36	40	40	38	35	31	31	31	27	28	30	21	28	33	39	37	49	36	35	32	51	43	25	38	43	34	39	36	39	35	35.8
	Minimum	20	15	14	14	32	29	20	17	7	4	1	13	6	8	15	27	32	35	32	27	22	31	19	16	32	30	19	33	22	25	30	20.9
Uniontown	Maximum	38	34	42	40	39	33	21	28	26	25	26	26	25	29	36	49	56	59	39	35	35	49	39	50	49	46	42	45	48	56	54	39.3
	Minimum	17	18	14	18	33	20	14	16	8	10	10	0	0	15	13	36	44	39	32	30	27	35	31	30	42	30	22	35	27	30	38	23.7
Vandergrift*	Maximum	36	38	44	44	43	35	26	32	22	24	20	27	22	25	43	55	52	53	35	35	40	52	41	35	59	50	48	40	38	49	53	39.2
	Minimum	18	14	14	17	25	20	16	13	9	13	9	15	6	2	10	36	36	34	31	29	28	38	27	27	34	32	23	24	28	26	33	22.2
Warren	Maximum	32	30	30	37	35	35	27	26	21	18	21	22	20	18	30	37	38	45	34	28	30	40	42	28	32	37	38	36	34	36	38	31.5
	Minimum	18	12	10	22	30	27	18	16	7	8	10	13	5	−5	−2	24	33	34	28	25	23	25	22	17	18	26	22	30	21	31	32	19.4
Waynesburg	Maximum	35	35	43	42	40	32	21	28	22	24	24	24	23	32	38	51	57	56	41	33	35	48	42	49	48	44	39	44	44	51	52	38.6
	Minimum	16	16	13	17	32	18	14	15	8	12	10	−1	1	17	16	38	43	37	31	30	26	35	30	23	35	30	22	34	27	32	37	23.0
Wellsboro	Maximum	32	31	34	40	36	34	27	28	27	21	22	25	19	22	30	41	38	41	35	33	30	45	42	30	37	39	34	38	34	39	34	32.8
	Minimum	16	10	9	14	32	27	18	16	8	8	8	10	7	0	6	27	34	35	33	27	23	32	21	17	30	28	23	28	22	26	32	20.2
Williamsport	Maximum	40	37	40	38	36	34	29	30	31	26	24	26	25	28	28	36	38	43	41	36	33	52	48	33	35	43	40	35	37	41	38	35.5
	Minimum	23	19	17	17	32	29	19	19	6	10	11	14	14	9	13	26	32	36	34	31	28	30	32	20	28	30	20	31	25	25	33	23.0
Williamstown	Maximum	52	46	40	43	48	44	28	29	28	25	26	28	26	27	27	43	42	53	58	55	34	50	50	36	38	42	42	37	38	48	42	39.5
	Minimum	20	22	18	23	33	25	16	12	7	10	12	10	13	9	15	22	32	29	32	27	24	28	30	18	24	28	27	27	24	30	28	21.8
York	Maximum	44	40	39	45	44	39	32	36	34	30	29	29	26	30	30	50	45	63	45	40	38	55	48	38	50	45	39	38	40	51	41	40.4
	Minimum	23	25	20	17	33	31	23	17	14	13	10	9	7	6	12	28	36	40	37	29	33	31	37	20	31	25	19	32	29	28	35	24.2

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date from record. [a], [b], [c], etc., indicate respectively 1, 2 or 3 days missing

.S.S
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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Vol. XLII. ANNUAL SUMMARY, 1937. No. 13.

GENERAL SUMMARY.

January was unusually mild with temperatures almost constantly above the normal throughout the month. The lowest recorded in the State was five degrees above zero. The precipitation, which was mostly rain, was the greatest of record for January. Many streams were flooded, and the Ohio River at Pittsburgh rose 9.5 feet above the damage stage. The flood damage from Pittsburgh to Wheeling, inclusive, exceeded two and three-quarter millions of dollars, while an equal amount of movable property was saved by timely flood warnings. February was moderately warm, with precipitation about twenty per cent below the normal. Fields were snow-covered less than one-half of the time, but winter grains did not seem to suffer material damage. March was fair and mild during the first week, and cold and stormy much of the time thereafter. Precipitation was about four-sevenths of the March normal, but occurred largely as snow, which was heavier than usual. April was unseasonably cool and rainy, and in many respects was an unfavorable month. The soil did not warm up enough for a proper germination of seeds, and the growth of vegetation was very slow. The rainfall was the heaviest, with one exception, of any April in the last fifty years. Many streams were flooded, with greatest damage along the West Branch of the Susquehanna. May was a generally favorable month. Temperatures were mostly seasonable, while a moderate deficiency of rainfall allowed the fields to dry out to a workable condition, and crops generally made a good recovery. June temperatures were mostly seasonable, and a small excess in rainfall was generally favorable for growing crops. Severe local storms occurred in some regions, with damage mostly by strong winds rather than excessive rains. July temperatures were seasonable and favorable. The rainfall averaged near the normal, but its distribution was very uneven. The wettest region, in Fayette County, received almost nine times as much as the driest region, in Tioga County. August was abnormally warm and wet. The heat was rather steady, and no unusual extremes were recorded. The rainfall was above the normal excepting a few southwestern counties, where the July rains were heaviest. This distribution served to restore a proper balance. The first four days of September were intensely hot, and were followed by temperatures mostly below the normal for the remainder of the month. Frosts covered the greater portion of the State on the 18th, and killed a considerable portion of the truck crops in the western counties. Corn was not seriously damaged. October was moderately cold, with general freezing a little earlier than usual, but with no extensive damage. Rains were light during the first half, and heavy during the last half of the month. For the month as a whole they were nearly double the October normal. In a general way they were heaviest in regions where the September rains were lightest. They served to slow up field work during the last half of the month. November temperatures were more changeable than usual, but averaged near the normal. The rainfall was less than normal, and more than half of it occurred on the 12th and 13th. On the first of the month about one-third of the corn remained to be husked. The first ten days were ideal for field work, and rapid progress was made. Potato digging was finished during that period. The first half of December was intensely cold, but the temperature excess in the second half was nearly enough to balance the deficiency. Precipitation was about four-fifths of the December normal, being practically all rain in the southeastern counties. Considerable snow fell in the western districts, and was melted by general rains from the 15th to 17th inclusive. Streams in the Ohio drainage rose above flood stages, but timely warnings served to prevent heavy damage. The month closed with ample surface water supply, and with little frost in the ground.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.9	100	−31	45.91	39.7	130	110	116	140
1889	49.8	96	−27	52.67	22.3	136	112	113	140
1890	50.5	101	−18	51.28	55.5	141	106	116	143
1891	50.6	100	−14	45.65	34.1	124	124	108	133
1892	49.3	103	−28	41.30	54.0	125	123	106	137
1893	48.7	102	−25	44.26	61.6	126	116	120	129
1894	51.3	103	−28	43.69	63.1	117	132	116	117
1895	49.4	104	−25	33.51	39.7	104	143	115	107
1896	50.5	101	−26	41.95	42.4	114	124	113	129
1897	50.0	103	−12	42.73	37.2	124	128	106	131
1898	51.3	107	−16	45.49	38.8	130	123	107	135
1899	50.0	101	−39	40.93	47.9	112	134	111	120
1900	51.5	104	−23	37.31	33.3	111	130	114	121
1901	49.4	107	−22	45.54	35.4	123	118	111	136
1902	49.6	100	−24	47.29	60.3	125	123	115	127
1903	49.6	99	−17	46.27	37.3	121	130	105	130
1904	47.5	99	−42	40.44	50.8	127	133	104	129
1905	49.4	99	−25	43.34	40.9	128	133	109	123
1906	50.8	99	−21	42.78	45.0	129	128	104	133
1907	48.5	98	−23	45.45	54.5	132	136	102	127
1908	50.9	104	−29	39.58	54.4	108	157	104	105
1909	50.2	100	−19	37.38	41.4	117	140	102	123
1910	49.9	99	−22	38.99	67.6	119	135	99	131
1911	51.1	105	−18	45.52	39.2	133	131	93	141
1912	49.0	100	−35	44.13	38.6	126	133	99	134
1913	51.7	102	−9	43.25	24.4	125	148	84	133
1914	49.3	101	−28	38.24	64.2	122	144	97	124
1915	50.1	99	−26	44.26	42.8	131	141	99	125
1916	49.6	103	−31	40.98	51.4	133	153	100	113
1917	47.3	105	−29	41.71	45.6	130	143	110	112
1918	50.2	108	−34	44.06	43.4	124	156	98	111
1919	51.1	104	−23	46.86	26.2	136	152	96	117
1920	49.2	99	−23	40.63	46.0	101	146	102	118
1921	53.1	104	−15	41.80	30.2	130	155	96	114
1922	51.4	100	−19	34.88	39.1	119	155	97	113
1923	50.4	103	−20	39.17	40.7	125	158	91	116
1924	48.4	102	−25	43.13	44.1	123	151	97	118
1925	50.3	104	−29	37.86	44.2	124	149	101	115
1926	48.7	105	−20	43.11	49.8	135	136	99	130
1927	50.9	100	−24	42.30	30.3	140	142	91	132
1928	50.5	99	−23	42.06	37.8	131	145	102	119
1929	50.5	101	−20	44.21	36.7	129	144	99	122
1930	51.2	108	−24	28.82	27.6	110	153	94	118
1931	52.8	105	−16	37.36	22.5	123	151	94	120
1932	51.6	105	−14	39.02	27.8	121	152	92	122
1933	51.7	107	−22	45.43	33.1	135	146	96	123
1934	50.6	107	−34	39.17	30.4	118	159	95	111
1935	50.2	104	−26	40.43	49.7	136	138	92	135
1936	50.4	111	−30	42.57	50.1	127	147	93	126
1937	50.7	101	−14	46.62	27.1	139	134	96	135
Period	50.2	111	−42	42.19	42.0	125	136	105	124

Climatological Data for the Year 1937

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic Drainage.																				
Allentown	Lehigh	254	15	52.5	97	July 8†	11	Dec. 11	25	41.11	6.58	Aug.	0.91	Sept.	20.2	141	176	153	36	ne.
Altoona	Blair	1,615	41	48.7	92	do. 8†	1	Feb. 28	50	49.20	8.50	Apr.	1.64	do.	34.0	130	142	81	142	w.
Ardmore	Montgomery	350	18	52.5	95	do. 10	14	do. 4†	18	43.35	5.96	Jan.	1.14	do.	16.5	128	.....	......	......	......
Arendtsville	Adams	700	16	......	98	June 1	5	Dec. 9	16	*56.42	9.49	Apr.	1.05	Dec.	......	......	......	......	......	......
Bedford	Bedford	1,060	6	50.8	95	Aug. 5†	−1	do. 13	6	43.55	8.38	do.	1.42	Mar.	28.3	111	153	37	175	nw.
Bethlehem	Northampton	364	35	54.0	99	July 10†	14	Feb. 4†	52	38.59	5.89	Aug.	0.75	Sept.	17.6	130	183	29	153	w
Carlisle	Cumberland	467	71	53.2	99	do. 10	8	Dec 11	48	53.01	7.98	do.	1.38	Dec.	32.0	128	195	58	112	nw.
Center Hall	Center	1,272	36	48.9	93	June 1	4	do. 14	41	52.34	8.09	do.	0.90	Sept.	37.7	110	198	46	121.	......
Chambersburg	Franklin	580	38	53.0	98	Aug. 20	6	do. 13†	41	51.32	7.26	June	1.54	Dec.	19.8	128	103	153	109	sw.
Clearfield	Clearfield	1,120	27	49.6	95	July 7†	−7	do. 14	30	46.43	6.64	Apr.	1.48	Feb.	35.2	130	124	112	129	w.
Coatesville	Chester	380	50	51.8	97	Aug. 20†	11	do. 11	50	45.55	7.21	Oct.	1.02	Sept.	20.9	123	119	52	194	nw.
Colebrook	Lebanon	560	22	49.9	91	June 1	5	do. 11†	28	46.63	7.84	do.	0.81	do.	25.9	144	187	53	125	w.
Emporium	Cameron	1,050	50	48.6	94	July 8	−7	do 14	50	45.61	7.02	Jan.	1.18	Mar.	20.3	160	148	68	149	w.
Ephrata	Lancaster	380	37	54.1	101	Aug. 20	11	do. 11	45	47.26	7.18	Oct.	0.93	Sept.	12.7	133	144	83	138	s.
Freeland	Luzerne	1,970	44	47.0	91	July 9	3	do. 9	44	50.53	9.50	do.	1.70	do.	33.2	153	69	35	261	w.
George School	Bucks	190	31	53 9	97	do. 9†	12	do. 11†	31	44 72	7.00	do.	1.49	do.	12.3	142	172	77	116	nw.
Gettysburg	Adams	553	62	53.9	97	Aug. 20	10	do. 12†	61	52.78	7.67	do.	0.82	Dec.	22.1	135	163	78	124	w.
Gordon	Schuylkill	840	34	49.5	96	July 9†	−2	do. 10	34	53.31	9.33	do.	1.86	do.	45.0	126	184	67	114	w.
Gouldsboro	Wayne	1,875	14	44.6	87	do. 8†	−8	do. 12	23	48.95	7.08	do	1.80	do.	40.5	105	189	77	99	w.
Hamburg	Berks	535	41	51.7	98	do. 11	9	do. 11	41	44.64	7 66	Aug.	0.75	Sept.	11.6	134	169	97	99	sw.
Hanover	York	600	38	53.5	98	Aug. 20	11	do. 12	33	50 40	7 80	June	0.88	Dec.	20.2	138	184	64	117	s.
Harrisburg	Dauphin	337	49	53.0	96	July 8	15	do. 12	68	49.43	7.14	do.	1.02	Sept	20.0	132	99	135	131	w.
Hawley	Wayne	900	19	46.9	95	Aug. 20	−2	do. 11	19	47.08	5.59	do.	2.03	do.	34.1	146	196	87	82	w.
Holtwood	Lancaster	200	18	54.2	93	July 11†	15	do. 12	24	42.21	6.78	Aug.	0.70	Dec.	19.0	136	166	80	119	......
Huntingdon	Huntingdon	650	50	50 7	97	do. 8†	−3	do. 14	50	43.74	7.84	Apr.	1.59	June	26.6	114	122	108	135	nw.
Kylertown	Clearfield	1,694	8	46.8	91	do. 7†	−5	do. 14	8	41.53	6.12	Oct.	1.28	Sept.	37.5	172	68	101	196	w.
Lancaster	Lancaster	255	34	53.1	97	do. 1†	8	do. 11	50	51.39	10.58	Aug.	0.81	do.	13.3	134	179	96	90	nw.
Lawrenceville	Tioga	1,000	40	48.2	96	do. 8	−3	Feb. 28†	40	41.78	11.29	do.	1.38	Mar.	34.0	108	123	106	136	......
Lebanon	Lebanon	469	49	52.0	98	do. 9†	10	Dec. 11†	54	47.40	7.03	Oct.	0.57	Sept	15.6	131	184	57	124	sw.
Lock Haven	Clinton	580	47	51.8	98	do. 8	2	do. 14	47	45.22	7.64	Aug.	1.29	do.	24.8	147	91	159	115	sw.
Marcus Hook	Delaware	50	12	57.8	101	do. 8	18	do. 13	12	40.91	7.92	do.	1.17	Dec.	11.9	118	215	38	112	w.
Montrose	Susquehanna	1,680	33	46.3	95	do. 9	1	do. 9	33	47.36	7.06	Oct.	2 07	do.	48.0	143	107	85	173	nw.
Mt. Pocono	Monroe	1,720	32	44.9	88	do. 8†	3	do. 12	32	54.81	10.40	do.	2.06	Sept.	49.5	121	111	52	202	nw.
Muncy Valley	Sullivan	1,045	25	47.4	95	do. 8	0	do. 9†	25	47.96	7.62	Aug.	1.42	Mar.	23.0	118	195	65	105	w.
Neshaminy Falls	Bucks	60	23	52.5	97	do. 9†	7	do. 11	23	46 58	7.72	Oct.	1.60	Sept.	13.5	132	192	38	135	w
Palmerton	Carbon	398	12	50.6	96	do. 8†	7	do. 11	21	44 12	6 97	do.	0.99	do.	16.4	137	163	98	104	ne.
Philadelphia	Philadelphia	26	66	55.2	98	do. 10	18	do. 12	66	37.40	5.71	Jan.	1.05	Dec.	12.3	130	102	113	150	sw.
Phoenixville	Chester	100	27	53.8	98	do. 9†	8	do. 11	28	41.61	6.44	do.	1 53	do.	14.5	126	170	126	69	nw.
Quakertown	Bucks	496	50	51.2	96	do. 10	6	do. 11	52	44.55	9.28	Aug.	1.30	Sept.	15.6	127	149	99	117	nw.
Reading	Berks	266	40	53.7	96	Aug. 20	17	do. 12	60	37.15	5.37	Oct.	0.89	do.	19.4	146	95	137	133	nw.
Retreat	Luzerne	900	4	49.3	93	July 8†	6	do. 9	4	43.93	5.47	June	1.28	Nov.	32.6	140	166	89	110	nw.
Scranton	Lackawanna	746	43	50.3	94	do. 10	8	do. 11	43	40.91	6.43	Aug.	1.42	Sept	23.8	146	80	138	147	sw.
Selinsgrove	Snyder	455	48	51.0	95	do. 8†	−2	do. 12	48	45.69	6.70	Oct.	1.51	do.	33.0	140	103	128	134	sw.
Shippensburg	Cumberland	660	5	52.5	95	do. 10†	9	do. 14	5	57.21	9.32	June	0.70	May	28.7	124	120	100	145	sw.
State College	Center	1,217	49	49.3	94	do. 9	4	do. 14	53	45 67	6.75	Apr.	1.56	Sept.	31.9	140	123	134	108	w.
Stroudsburg	Monroe	500	21	50.1	97	do. 8†	5	do 11†	22	45.90	6.71	Jan.	1.90	do.	20.4	106	182	43	140	w.
Towanda	Bradford	754	43	48.8	95	do. 8†	1	do. 11	43	38.26	6 11	Oct.	1.66	Dec.	34.4	144	99	107	159	ue.
Wellsboro	Tioga	1,419	57	46.4	97	June 6	−1	Feb. 28	67	38.25	10.82	Aug.	0.97	Mar.	29.4	122	219	60	86	nw.
West Chester	Chester	455	83	53.5	98	July 10	12	Dec. 12	88	47.66	7.25	do.	1.51	Dec.	20.3	138	144	119	102	nw.
Williamsport	Lycoming	521	48	50.6	95	do 8	6	do. 9	51	47.04	7.40	Aug.	1.27	Sept.	22.0	136	147	65	153	w.
Williamstown	Dauphin	1,275	22	52.2	97	do. 11	7	do. 9	22	48.27	8.69	do.	0.93	do.	30.5	127	146	102	117	sw.
York	York	400	38	53.0	95	June 1†	6	do. 14	49	49.13	7.22	Oct.	0.77	Dec.	15.0	141	183	99	83	w.
Ohio Drainage.																				
Brookville	Jefferson	1,173	26	46.9	92	July 9†	−12	Dec. 14	48	51.01	8.57	Jan.	2 02	Nov.	32.7	166	89	89	187	......
Butler	Butler	1,077	15	50.2	95	Sept. 2	0	do. 14	15	49.77	7.90	do.	0 86	Feb.	21.6	108	142	111	112	nw
Chambersville	Indiana	1,047	8	49.2	93	July 10	−8	do. 14	12	51.34	8.20	do.	1.23	Sept.	29.7	159	140	59	166	w.
Clairton	Allegheny	1,020	7	50.2	92	Aug. 20	4	do. 13	7	37.11	7.26	do.	0.72	do.	24.5	136	93	69	203	s.
Claysville	Washington	1,150	33	51.9	97	Sept. 2	−1	do. 13	33	46 33	9.55	do.	1.42	Aug.	27.7	154	183	54	128	s.
Corry	Erie	1,430	25	47.9	101	July 9	0	do. 15	26	49.77	7.69	do.	1.43	Mar.	......	167	164	101	100	w.
Derry	Westmoreland	1,172	41	51.7	94	Aug. 20	−1	do. 14	41	51 41	8.52	do.	1.61	Sept.	29.3	149	135	104	126	w.
Donora	Washington	762	11	54.0	96	do. 20	11	do. 13	11	45.22	7.46	do.	1.37	Nov.	...	143	94	148	123	......
Ebensburg	Cambria	2,000	20	48.0	90	July 7†	1	do. 14	20	52.15	7.20	do.	1.72	do.	59.5	154	164	98	103	w.
Franklin	Venango	957	44	47.8	93	do. 8†	−4	do. 14	65	52.63	10.82	do.	1.87	Feb	27.5	142	42	43	280	s.
Greensburg	Westmoreland	1,150	29	51.5	93	Aug. 20†	3	do. 13	29	48.12	8.07	do.	1.33	Sept	42.4	162	100	136	129	w.
Greenville	Mercer	950	41	50.0	95	July 8†	−6	do. 14	41	50.61	8.68	do.	1.70	Feb.	28.0	160	128	75	162	......
Grove City	Mercer	1,256	30	48.8	94	do. 7	0	do. 11	30	43.74	7.78	do.	1.48	Dec.	21.6	162	129	91	145	w.
Irwin	Westmoreland	1,100	38	......	95	Aug. 20	0	do 13	41	50.20	8.17	do.	1.80	Feb.	23.0	173	......	......	......	......
Johnstown	Cambria	1,184	48	51.9	96	do. 20	5	do. 13	56	54.13	9.69	do.	1.34	Nov.	31.2	166	124	121	120	w.
Kane (near)	Elk	2,020	5	......	90	June 1†	−2	do. 14	5	*53.10	7.63	do.	*1.49	Sept.	57.0	......	......	......	......	w
Lycippus	Westmoreland	1,420	45	51.1	94	Aug. 19	5	do. 12	46	58.16	10.54	do.	1.93	Feb.	49 0	160	71	145	149	w.
Meadville	Crawford	1,080	44	48.7	94	July 8†	−10	do. 13	45	50.40	9.01	June	1.69	Nov.	33.9	156	114	77	174	w.
Midland	Beaver	697	1	51.7	94	do. 8†	7	do. 13	1	45.19	9.39	Jan.	1.01	Feb	18.0	150	113	99	153	nw.
Mount Lebanon	Allegheny	1,180	12	50.8	95	do. 10	5	do. 9†	12	42.53	8.21	do.	1.12	Sept.	20.0	139	137	99	129	sw.
New Castle	Lawrence	808	57	49.3	93	do. 9†	1	do. 14	53	49.67	7.11	do.	1.22	Feb.	22.9	204	111	135	119	sw.
Newell	Fayette	800	17	51.4	89	do. 8	1	do. 13	17	48.78	8.30	do.	1.61	Nov.	......	117	140	119	106	sw.
Pittsburgh	Allegheny	1,248	63	51.0	94	do. 8	6	do. 9	66	37.66	7.15	do.	0.57	Sept.	23.1	155	64	119	182	nw.
Ridgway	Elk	1,350	22	46.4	93	do. 8	−11	do. 14	32	46.74	8.16	do.	1.17	do.	23.9	156	87	81	197	sw.
Sharon	Mercer	940	25	51.9	97	do. 8†	7	do. 14	25	47.91	7.86	do.	1.15	Feb.	16 7	137	139	102	124	s.
Somerset	Somerset	2,190	70	45.6	87	do. 8†	−14	do. 13	55	50.19	8.51	do.	1.49	Nov.	51.7	181	57	130	178	sw.
Uniontown	Fayette	1,100	48	53.1	96	Aug. 20	0	do. 12†	49	48.52	8 69	July	1 45	Sept.	32.2	168	135	118	112	sw.
Vandergrift	Westmoreland	825	24	51.7	99	July 10	2	do. 14	24	40.83	6.17	Apr.	0.76	Feb.	......	130	......	......	......	......
Warren	Warren	1,180	43	48.9	90	do. 9	−5	do 14	48	53.43	8 59	June	1.29	Sept.	43.2	175	116	76	173	nw.
Waynesburg	Greene	1,035	7	52.5	94	Aug. 17†	−1	do. 12	7	45.50	8.56	Jan.	1.39	Nov.	13.0	113	41	212	112	w.
Lake Drainage.																				
Erie	Erie	670	65	49.6	92	Aug. 19	10	Dec. 14	65	43.00	7.03	Apr.	1.23	Mar.	41.2	156	92	112	161	w.
For the State§	......	......	......	50.7	101	July 8†	−14	Dec. 13	......	46.62	11.29	Aug.	0.55	Sept.	27.1	139	134	96	135	w.

† On other days also. * Monthly amount interpolated; annual amount partly interpolated. § From all available records.

W. B. O. Philadelphia-2-24-38-1170

Monthly and Annual Precipitation for the Year 1937, with Departures from the Normal

	STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
		Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
DELAWARE BASIN.	Allentown	5.47	+1.88	2.41	-0.95	2.36	-1.04	4.10	+0.39	2.81	-0.59	3.65	-0.29	5.46	+0.85	6.58	+1.68	0.91	-2.43	3.73	+0.18	2.02	-0.74	1.61	-1.90	41.11	-2.96
	Ardmore	5.96	+2.05	2.45	0.67	2.71	-1.20	5.33	+1.45	3.45	-0.41	3.03	-0.74	3.72	-0.09	5.04	-0.43	1.14	-2.75	5.30	+2.15	3.90	+0.44	1.32	-1.82	43.85	-2.72
	Bethlehem	5.37	+1.92	1.85	1.26	2.12	-1.12	3.95	+0.45	3.13	+0.01	3.14	-0.72	5.73	+1.17	5.89	+1.44	0.75	-2.49	3.15	-0.20	1.79	-1.08	1.72	-1.56	38.59	-3.44
	Coatesville	6.09	+2.13	2.71	-1.06	1.59	-2.43	5.61	+1.85	3.91	+0.32	3.31	-0.89	2.62	-1.94	6.46	+1.73	1.02	-2.38	7.21	+3.85	3.66	+0.72	1.36	-2.63	45.55	-0.73
	Conshohocken	5.90	+2.21	1.76	-1.39	2.74	0.30	4.02	+0.52	2.71	-0.44	3.81	+0.42	2.08	-2.03	4.14	-0.47	1.63	-2.09	5.24	+1.42	3.48	+0.51	1.11	-1.49	38.62	-3.13
	Doylestown	6.25	+2.61	1.74	-1.74	2.09	-1.63	4.64	+0.62	3.84	+0.27	2.92	-1.03	4.23	-0.64	3.99	-1.26	1.45	-2.15	5.20	+1.39	3.90	+1.02	1.34	-2.50	41.59	-5.12
	Freeland	5.52	+2.28	3.52	+0.01	2.31	-2.06	4.81	+0.23	3.77	-0.07	3.58	-1.38	3.68	-1.23	6.60	+2.20	1.70	-2.15	9.50	+5.21	3.74	+0.61	1.80	-2.12	50.53	+1.53
	George School	6.28	+2.53	2.04	-1.02	2.88	-0.80	4.47	+0.85	3.36	0.00	3.85	+0.18	2.95	-1.48	4.33	-0.71	1.49	-1.97	7.00	+3.30	4.47	+1.60	1.60	-1.97	44.72	+0.51
	Gouldsboro	4.97	+1.61	4.21	+0.88	2.40	-1.36	4.51	+0.92	3.66	-0.15	6.08	+1.57	2.41	-2.04	5.18	+0.87	2.81	-0.95	7.08	+3.16	3.84	+0.62	1.80	-1.52	48.95	+3.61
	Graterford	4.63	+0.81	1.90	-1.51	2.34	-1.71	2.78	-1.04	5.38	+2.17	3.35	-0.56	3.23	-1.35	4.72	0.00	1.85	-1.32	4.08	+0.42	1.98	-0.98	0.79	-2.67	37.03	-7.74
	Hamburg	5.55	+2.03	2.14	-1.18	1.70	-2.17	5.41	+1.27	1.47	2.67	4.65	+0.19	3.37	-1.53	7.66	+2.49	0.75	-3.30	7.51	+3.54	2.39	-0.42	2.04	-1.57	44.64	-3.32
	Hawley	4.06	+1.42	3.25	+0.43	3.20	+0.30	4.53	+1.31	4.08	+0.56	5.59	+1.74	4.83	+2.05	5.31	+1.22	2.03	-1.18	5.26	+1.90	2.77	+0.14	2.17	-0.90	47.08	+8.99
	Hollisterville	5.21	......	3.47	......	3.47	......	5.65	......	2.78	......	5.55	......	4.43	......	4.72	......	3.10	......	5.86	......	3.09	......	2.25	......	49.58	......
	Lakeville	4.86	..	3.27	......	3.56	......	4.88	......	2.99	......	5.78	......	7.41	......	4.61	......	3.59	......	5.68	......	2.77	......	2.57	......	51.79	......
	Lansford	5.84	+3.12	3.24	+0.50	1.53	-1.80	6.32	+2.92	2.81	-0.64	3.41	-1.06	4.57	+0.18	7.34	+2.69	1.12	-2.61	9.82	+5.92	2.98	+0.39	2.01	-1.42	50.99	+8.19
	Lehighton	6.93	......	1.84	......	2.30	......	5.69	......	2.27	......	5.56	......	4.65	...	8.98	......	1.03	......	7.55	......	2.65	......	1.82	......	51.27	......
	Marcus Hook	6.02	+2.18	1.69	-0.72	2.23	-1.51	3.37	-0.16	2.70	-0.52	5.08	+1.46	1.52	-2.99	7.92	+2.43	1.55	-1.86	4.62	+2.21	3.04	+0.18	1.17	-1.59	40.91	-0.89
	Matamoras	5.92	+3.20	3.47	+0.90	2.94	-0.16	3.71	+0.31	3.73	+0.36	4.37	+0.37	4.09	+0.37	4.89	+1.15	2.84	-0.35	4.47	+1.23	3.30	+0.49	2.34	-0.57	46.07	+7.30
	Mauch Chunk	......	......	......	......	......	......	......	......	......	......	......	......	4.90	+0.13	6.71	+1.82	0.90	-3.11	5.95	+2.05	3.05	-0.09	1.29	-2.75	......	......
	Mount Pocono	3.63	+0.66	2.64	-0.31	3.30	-0.26	5.93	+2.29	4.27	+0.19	3.55	-1.21	3.31	-1.16	9.31	+5.05	2.06	-2.38	10.40	+5.72	2.14	-1.07	4.27	+1.01	54.81	+8.50
	Neshaminy Falls	6.37	+3.01	1.78	-1.18	2.99	-0.76	5.19	+1.44	3.59	-0.37	4.08	+0.21	1.92	-2.76	4.78	-1.09	1.60	-1.83	7.72	+3.70	4.94	+1.91	1.62	-1.90	46.58	+0.59
	Palmerton	5.48	+3.11	2.28	-0.11	1.59	1.45	4.79	+1.55	1.89	-1.53	6.43	+2.72	3.90	-0.58	5.34	+1.38	0.99	-2.30	6.97	+3.58	2.12	-0.47	2.34	-0.57	44.12	+5.33
	Paupack	4.53	+1.73	3.51	+0.69	3.12	+0.32	4.24	+0.68	3.59	+0.07	5.48	+1.34	4.47	+1.28	5.97	+1.55	2.30	-1.65	5.78	+2.07	2.68	-0.14	2.11	-0.77	47.78	+7.17
	Philadelphia	5.71	+2.41	1.66	-1.66	2.98	-0.41	4.38	+1.33	2.62	-0.64	3.51	+0.27	1.16	-2.99	4.10	-0.52	1.55	-1.59	5.24	+2.43	3.44	+0.74	1.05	-2.38	37.40	-3.01
	Phila. Navy Yard	5.78	+2.52	2.26	-1.10	2.78	-0.74	3.77	+0.47	3.17	+0.05	4.21	+0.21	1.27	-3.33	3.17	-2.11	1.43	-1.71	5.09	+1.98	3.57	+0.74	1.44	-2.00	37.94	-5.02
	Phila-Point Breeze	*5.72	+2.09	2.65	-0.35	1.74	-1.30	4.42	+1.13	3.12	-0.08	4.47	+0.69	1.34	-2.66	6.13	+1.45	1.28	-2.39	5.21	+2.30	3.55	+0.63	1.19	-1.24	40.92	+0.27
	Phoenixville	6.44	+2.81	2.32	-1.08	2.33	-1.31	4.60	+1.08	4.11	+0.35	3.60	+0.23	3.17	-1.79	3.91	-1.44	1.59	-1.68	4.79	+1.17	3.22	+0.23	1.53	-2.16	41.61	-3.59
	Pleasant Mount	6.02	+1.87	3.63	+0.60	3.84	-0.27	5.70	+1.51	3.42	-0.53	6.41	+1.86	3.72	-1.52	4.97	+0.20	2.52	-1.73	5.75	+1.47	2.79	-1.51	2.59	-0.28	51.36	+1.67
	Pottstown	4.97	+1.68	1.80	-1.31	......	......	......	......	2.63	-0.73	3.03	-0.35	4.16	-0.30	5.22	+0.90	0.85	-2.15	......	......	......	......	......	......	......	......
	Pottsville	5.45	+1.89	3.41	0.00	1.84	-2.25	5.35	+1.54	2.39	-1.34	4.22	-0.08	7.54	+2.85	7.07	+2.41	1.23	-2.84	9.24	+5.15	2.91	-0.02	1.80	-2.05	52.45	+5.26
	Quakertown	5.81	+1.99	1.81	-1.50	2.41	-1.39	4.28	+0.22	3.30	-0.06	3.32	-0.59	4.25	-0.43	9.38	+4.29	1.30	-2.59	4.23	+0.31	2.56	-0.58	1.90	-2.06	44.55	-2.88
	Reading	5.05	+1.48	1.83	-1.59	2.43	-1.09	3.24	-0.03	2.61	-1.06	3.10	-0.45	4.10	-0.16	5.23	+1.02	0.89	-2.32	5.37	+2.25	1.96	-0.77	1.34	-2.22	37.15	-4.94
	Shawmont	5.68	+2.38	1.62	-1.56	2.33	-1.14	5.05	+1.72	2.89	-0.39	2.80	-0.72	2.40	-1.89	4.48	-0.63	0.91	-2.25	5.41	+2.16	4.15	+1.32	1.40	-2.13	39.12	-3.03
	Stroudsburg	6.71	+3.33	2.27	-1.08	2.71	-0.80	4.81	+1.24	3.01	-0.32	5.05	+0.73	2.44	-2.87	6.30	+2.10	1.90	-1.58	5.16	+1.42	3.55	+0.36	1.99	-1.37	45.90	+1.16
	West Chester	6.42	+2.60	2.85	-0.65	2.36	-1.47	5.42	+1.68	2.96	-0.92	4.11	-0.44	3.72	-0.92	7.25	+2.25	1.29	-2.23	5.79	+2.17	3.98	+0.90	1.51	-2.29	47.66	+0.68
	Westgrove	5.59	......	2.08	......	1.69	......	3.66	...	2.57	......	2.35	......	7.41	......	10.15	......	1.15	......	5.40	......	2.23	......	1.70	......	45.98	......
	Zionsville	8.14	......	4.92	......	3.70	......	5.18	......	2.68	......	3.18	......	5.02	......	8.28	......	1.60	......	4.78	......	2.79	......	1.58	......	51.85	......
SUSQUEHANNA BASIN.	Altoona	6.44	+3.44	2.70	+0.37	2.06	-1.22	8.50	+4.98	3.53	-0.49	3.27	-0.58	3.67	-0.33	5.20	+1.71	1.64	-1.31	6.98	+3.79	1.97	-0.45	3.24	+0.50	49.20	+10.41
	Ansonia	4.19	+2.10	1.51	-0.45	0.80	-1.62	2.36	+0.02	2.89	-0.75	4.13	+0.29	0.97	-2.55	7.62	+4.12	1.38	-1.51	4.95	+1.77	3.55	+1.26	1.86	-0.37	37.21	+2.31
	Arendtsville	5.90	+2.85	3.76	+1.02	1.42	-2.19	9.49	+5.79	2.76	-1.05	5.33	+1.59	5.99	+1.92	5.50	+1.59	3.04	-1.00	8.96	+5.26	*3.22	+0.47	1.05	-1.97	56.42	+14.28
	Baker's Summit	7.20	+4.02	2.46	-0.12	2.06	-1.48	9.38	+5.64	3.01	-0.34	2.72	-1.38	6.43	+2.78	5.70	+1.91	2.82	+0.03	5.95	+2.54	1.88	-0.61	2.10	-0.41	51.71	+11.99
	Bedford	5.73	......	2.39	......	1.42	......	8.38	......	2.13	......	2.92	......	2.29	......	4.52	......	4.13	......	6.23	......	1.44	......	1.97	......	43.55	......
	Bellefonte	4.14	+1.19	1.47	-1.11	1.23	-2.08	4.57	+0.89	1.87	-1.46	2.24	-1.99	2.29	-1.57	7.63	+4.10	2.01	-0.83	6.09	+2.90	2.27	-0.01	2.30	-0.32	38.11	-0.29
	Bloserville	5.08	+1.91	2.24	-0.29	1.39	-1.78	7.52	+3.96	4.17	-0.17	5.50	+0.18	5.40	+0.60	6.99	+1.18	3.45	-0.14	7.50	+3.91	3.66	+1.09	1.72	-1.00	54.62	+9.45
	Carlisle	5.48	+2.30	3.62	+0.37	1.61	-1.70	6.38	+3.02	2.99	-0.39	7.05	+3.19	4.21	+0.38	7.98	+3.26	1.98	-0.74	6.17	+2.78	4.16	+1.84	1.38	-1.72	53.01	+12.59
	Catawissa	4.02	+1.03	3.05	+0.26	3.12	-0.17	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
	Center Hall	4.68	+2.19	3.04	+0.70	1.24	-1.79	7.61	+4.46	5.15	+0.77	2.02	-2.27	6.83	+2.66	8.09	+4.16	0.90	-1.94	6.68	+3.68	2.35	+0.21	4.35	+1.96	52.94	+14.79
	Clearfield	5.30	+1.79	1.48	-1.31	2.19	-1.19	6.64	+3.05	2.98	-1.39	3.64	-0.97	4.81	+0.25	5.52	+1.40	1.74	-1.57	6.55	+3.16	1.92	-1.05	3.66	+0.58	46.43	+2.45
	Colebrook	5.70	+2.29	2.81	-0.60	1.78	-2.05	4.05	+0.35	3.09	-0.50	5.75	+1.66	4.50	+0.22	5.48	+0.39	0.81	-2.46	7.84	+4.32	3.31	+0.88	1.51	-1.96	46.63	+2.54
	Emporium	7.02	+3.36	1.52	-1.30	1.18	-2.55	5.62	+1.93	4.30	+0.11	4.45	+0.11	3.59	-0.82	4.82	+0.84	1.52	-1.96	6.05	+2.82	2.14	-0.70	3.40	+0.18	45.61	+2.02
	Ephrata	5.55	+2.48	2.22	-0.73	1.60	-1.73	4.28	+1.08	4.42	+1.38	6.34	+2.08	4.96	+0.58	6.26	+2.00	0.93	-2.44	7.18	+4.08	2.31	+0.05	1.21	-1.91	47.26	+6.92
	Forest City	4.57	+1.67	3.48	+1.17	2.52	+0.04	5.24	+1.57	3.68	-0.18	*6.06	+1.57	3.72	-0.81	3.72	-1.04	1.95	-1.59	5.96	+2.20	2.20	-1.11	2.30	-0.20	45.40	+3.29
	Galeton	5.38	......	1.43	......	1.26	......	4.60	......	3.13	......	4.65	......	1.65	......	5.97	......	1.57	......	5.67	......	3.36	......	2.44	......	41.11	......
	Girardville	5.76	+1.77	3.96	+0.34	2.62	-1.65	5.18	+1.17	4.98	+1.19	4.70	-0.04	3.33	-1.78	4.95	+0.13	1.38	-2.76	7.89	+3.55	2.97	-0.11	2.08	-1.92	49.80	-0.11
	Gordon	6.21	+2.44	4.59	+1.32	1.87	-2.02	5.29	+1.09	4.59	+0.67	4.88	-0.45	3.64	-1.22	6.33	+2.17	1.37	-2.66	9.33	+5.01	3.35	+0.17	1.86	-1.86	53.31	+5.56
	Hanover	5.86	+2.71	3.82	+1.01	1.67	-1.64	5.09	+1.76	2.72	-0.65	7.80	+3.79	4.13	-0.06	5.10	+0.58	1.40	-1.64	7.48	+4.54	4.45	+2.19	0.88	-2.17	50.40	+10.42
	Harrisburg	5.34	+2.25	3.16	+0.20	1.45	-1.59	4.58	+1.89	3.19	-0.25	7.14	+3.55	4.83	+1.00	6.24	+2.20	1.02	-2.03	6.76	+3.83	4.50	+2.24	1.52	-1.50	49.73	+11.79
	Holtwood	4.48	+1.32	3.28	+0.56	1.54	-1.48	4.47	+1.63	1.95	-0.82	3.43	+0.22	4.90	+1.13	6.78	+2.86	1.08	-1.68	6.01	+3.20	3.59	+1.40	0.70	-1.98	42.21	+6.36
	Huntingdon	6.02	+2.82	2.10	-0.59	2.09	-1.37	7.84	+4.35	2.15	-1.60	1.59	-2.53	2.48	-1.58	6.62	+2.74	2.82	-0.27	5.59	+2.52	2.16	-0.07	2.28	-0.64	43.74	+3.78
	Kylertown	4.60	......	1.53	......	1.29	......	5.90	....	3.24	......	2.89	......	4.06	......	5.39	......	1.28	......	6.12	......	1.65	......	3.58	..	41.53	......
	Lancaster	5.18	+1.99	2.47	-0.20	1.43	-1.89	4.53	+1.27	2.54	-0.41	5.74	+1.68	8.32	+4.04	10.58	+6.50	0.81	-2.56	5.78	+2.69	2.91	+0.53	1.10	-2.09	51.39	+11.55
	Lawrenceville	2.63	+0.66	1.65	-0.18	1.38	-0.92	3.96	+0.98	3.15	-0.65	4.42	+0.50	2.36	-1.74	11.29	+7.82	1.42	-1.59	5.20	+2.37	2.79	+0.52	1.53	-0.45	41.78	+7.32
	Lebanon	5.98	+2.64	2.66	-0.47	1.76	-1.72	4.53	+1.04	2.25	-1.01	6.13	+1.78	5.58	+1.21	6.14	+1.71	0.57	-2.84	7.03	+3.64	3.23	+0.72	1.54	-1.80	47.40	+4.90
	Lock Haven	5.24	+2.10	2.38	-0.16	1.49	-1.88	4.66	+1.08	4.49	+0.44	3.15	-1.11	3.03	-0.97	7.64	+3.63	1.29	-1.79	5.87	+2.74	2.99	+0.88	2.99	+0.14	45.22	+5.10
	Mifflintown	5.38	+2.53	2.83	+0.38	2.08	-0.98	6.72	+3.30	2.98	-0.85	1.93	-2.29	6.48	+2.14	4.78	+1.01	5.72	+2.50	5.83	+2.57	4.10	+1.83	*2.70	0.00	51.53	+12.14
	Montrose	4.61	+2.16	2.85	+0.77	2.71	+0.07	4.25	+1.03	2.74	-1.09	6.37	+2.25	2.99	-1.11	6.66	+2.59	2.78	-0.98	7.06	+3.50	2.24	-0.41	2.07	-0.50	47.36	+8.28
	Morris Run	3.77	+1.37	2.91	+0.61	1.52	-1.66	4.30	+0.73	3.41	-0.28	4.10	-0.22	2.41	-1.05	10.10	+5.75	1.44	-1.43	6.16	+2.53	4.87	+1.46	2.25	+0.02	47.24	+7.83
	Muncy Valley	4.51	+1.37	2.13	-0.27	1.42	-1.61	6.05	+2.19	3.40	-0.65	5.03	+0.66	5.10	+0.42	7.62	+2.99	1.75	-1.81	6.65	+3.04	2.53	-0.24	1.77	-1.26	47.96	+4.84
	New Park	5.71	+2.41	4.17	+1.56	1.21	-2.29	6.66	+2.61	2.47	-0.39	4.39	+0.60	5.63	+1.91	4.61	-0.60	1.15	-2.42	7.16	+3.67	4.65	+1.52	1.27	-1.33	49.08	+7.25
	Newport	5.73	....	3.91	......	1.85	......	6.00	......	2.63	......	4.38	......	4.23	......	5.95	......	2.18	......	6.59	......	5.25	......	1.63	......	50.32	......
	Pine Grove	5.88	+2.57	3.14	+0.41	2.17	-1.24	4.60	+0.74	2.98	-0.45	5.98	+1.03	4.96	+0.36	5.71	+1.56	0.93	-2.34	8.56	+4.44	2.97	-0.51	2.65	-0.20	50.53	+6.37
	Renovo	5.59	+2.84	2.06	-0.26	1.41	-1.52	5.24	+1.90	2.94	-0.91	4.62	+0.39	3.35	-0.78	6.42	+2.88	1.93	-1.03	5.08	+2.05	2.93	+0.48	2.66	+0.11	44.23	+6.15
	Retreat	4.59	......	3.21	......	2.65	...	4.25	...	2.98	......	5.47	......	3.35	......	4.45	......	2.38	......	6.65	......	1.28	......	2.67	......	43.93	......
	Scranton	4.18	+1.15	2.47	-0.57	2.18	-1.02	3.51	+0.74	2.66	-0.61	5.89	+2.22	2.67	-1.36	6.43	+2.74	1.42	-1.75	6.02	+2.99	1.53	-1.24	1.95	-1.07	40.91	+2.22
	Selinsgrove	5.41	+2.39	3.28	+0.51	3.57	+0.05	4.94	+1.27	3.46	-0.24	2.97	-1.16	4.05	+0.01	4.18	+0.34	1.51	-1.80	6.70	+3.13	3.49	+1.02	2.13	-0.88	45.69	+4.64
	Shippensburg	6.20	......	2.86	......	1.56	......	9.08	......	0.70	......	9.32	......	5.02	......	6.14	......	3.10	......	8.49	......	2.89	......	1.85	......	57.21	......
	State College	5.51	+2.43	2.38	-0.09	1.74	-1.60	6.75	+3.15	2.35	-1.54	2.30	-1.82	5.32	+1.46	5.86	+2.38	1.56	-1.34	6.53	+3.51	2.08	-0.23	3.29	+0.62	45.67	+6.93
	Sunbury	5.74	+2.51	3.60	+0.77	2.02	-1.25	3.99	+0.43	3.97	+0.05	3.59	-0.71	3.49	-0.83	3.84	+0.04	1.67	-1.64	6.14	+2.82	3.03	+0.76	1.71	-1.21	42.79	+1.74
	Susquehanna	3.71	......	2.34	......	2.24	......	3.36	....	2.37	......	5.39	......	2.15	......	5.21	......	3.47	......	4.73	......	1.54	......	2.28	......	38.79	......
	Towanda	3.31	+1.17	2.22	+0.23	1.68	-0.91	3.85	+0.76	3.65	+0.29	4.70	+0.88	2.71	-1.09	4.05	+0.62	2.55	-0.64	6.11	+3.20	1.77	-0.37	1.66	-0.53	38.26	+3.61
	Weikert	4.91	+1.66	3.17	+0.43	2.09	-1.66	5.69	+1.48	2.46	-1.43	1.73	-2.40	3.70	-0.47	7.53	+3.92	2.84	-0.48	*6.30	+2.50	4.36	+1.68	2.45	-0.65	47.23	+4.58
	Wellsboro	3.94	+1.67	1.82	-0.20	0.97	-1.69	3.62	+0.56	1.32	-0.53	2.50	-1.23	2.08	-1.12	10.82	+7.64	1.18	-1.77	4.86	+1.83	3.11	+0.89	2.03	-0.11	38.25	+4.39
	Wilkes-Barre	4.98	+2.59	2.16	-0.42	3.18	+0.27	3.93	+1.00	3.18	+0.03	4.47	+0.49	3.93	-0.14	6.62	+2.84	1.94	-1.53	5.36	+2.26	1.42	-0.80	1.10	-1.63	42.27	+4.96
	Williamsport	4.17	+1.21	3.35	+0.85	1.32	-1.90	5.03	+1.39	4.02	+0.19	3.50	-0.36	3.77	-0.07	7.40	+3.67	1.27	-1.77	6.42	+3.20	4.82	+2.45	1.97	-0.92	47.04	+7.94
	Williamstown	4.33	+1.27	4.32	+0.65	1.74	-1.53	4.64	+1.16	3.56	-0.25	3.31	-1.20	4.74	-0.68	8.69	+4.68	0.93	-3.16	7.51	+3.80	4.18	+1.35	1.32	-1.55	48.27	+4.64
	York	5.69	+2.62	3.44	+0.69	1.33	-1.78	4.20	+1.01	2.86	-0.16	6.62	+2.87	4.99	+0.77	6.84	+2.78	1.49	-1.54	7.22	+4.18	3.68	+1.45	0.77	-2.16	49.13	+10.73
	York Haven	3.72	+0.86	3.27	+0.52	1.13	-1.70	3.86	+0.64	2.10	-0.95	4.32	+0.53	4.27	-0.37	7.64	+3.62	0.98	-2.29	6.98	+3.97	3.73	+1.63	1.15	-1.84	43.15	+4.62
OHIO BASIN.	Beaver Falls	7.72	+4.83	1.39	-0.89	1.88	-1.41	5.70	+2.69	4.41	+1.20	3.86	-0.61	4.63	+1.10	3.10	-0.50	1.71	-1.15	2.98	+0.49	1.41	-0.96	2.89	+0.25	41.68	+5.04
	Blairsville	7.93	......	2.03	......	2.07	......	6.45	....	5.67	......	3.72	....	8.49	......	4.98	......	2.33	....	6.43	......	2.16	......	4.49	......	56.75	......
	Bradford	7.55	+3.93	2.15	-0.47	1.54	-2.01	5.91	+2.11	4.81	+0.91	6.87	+2.80	3.65	-0.79	5.66	+1.98	2.01	-1.98	5.17	+1.86	2.89	-0.30	3.11	-0.06	51.82	+7.98
	Brookville	8.57	+5.34	2.36	+0.23	2.10	-1.15	7.01	+4.11	4.22	+0.80	5.33	+0.99	4.01	-0.15	3.52	-0.22	2.41	-0.72	5.01	+1.74	2.02	-0.87	4.45	+1.43	51.01	+11.43
	Butler	7.90	+4.67	0.86	-1.54	2.44	-1.00	6.17	+2.80	3.73	+0.20	5.33	+0.67	6.74	+2.33	4.12	+0.22	2.27	-1.19	4.79	+1.92	1.79	-1.01	3.63	+0.62	49.77	+8.69
	Chambersville	8.20	+4.44	1.34	-1.52	1.92	-1.83	7.67	+3.79	2.97	-1.14	5.27	+0.52	6.57	+1.88	4.22	+0.30	1.23	-2.42	5.54	+2.03	1.89	-0.88	4.52	+1.19	51.34	+6.86
	Clairton	7.26	......	1.15	......	1.53	......	5.75	......	2.92	......	2.66	......	4.40	......	2.84	......	0.72	......	3.87	......	1.16	......	2.85	....	37.11	......
	Clarion	......	......	......	......	......	......	......	......	4.08	+0.34	5.25	+1.09	5.77	+1.38	4.34	+0.10	2.41	-1.10	5.05	+1.81	2.27	-1.06	4.42	+0.90	......	......

* Monthly amount interpolated; annual amount partly interpolated.

(Continued on page 64).

Monthly and annual Precipitation for the Year 1937, with Departures from the Normal.—Continued

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Claysville	9.55	+6.30	1.92	-0.55	1.56	-1.77	4.48	+1.09	4.53	+0.94	4.12	-0.18	7.55	+3.30	1.42	-2.35	2.14	-1.10	4.69	+1.44	1.60	-0.90	2.77	-0.19	46.33	+6.03
Confluence	8.94	+4.96	2.54	-0.39	2.38	-1.47	5.18	+1.49	4.71	+0.72	4.40	-0.28	6.54	+1.96	3.97	-0.40	1.87	-1.23	6.01	+2.96	1.17	-1.54	2.65	-0.90	50.36	+5.88
Connellsville	7.83	......	1.91	......	1.81	......	5.01	......	4.34	.....	3.49	......	5.79	......	4.13	......	2.95	......	6.08	.....	1.25	......	2.32	.....	46.91	......
Corry	7.69	+3.57	1.90	-0.91	1.43	-2.38	6.59	+2.97	2.84	-1.67	6.74	+1.93	2.22	-1.18	6.77	+2.78	1.96	-1.64	4.74	+0.68	3.08	-0.73	3.81	+0.19	49.77	+3.61
Coudersport	*5.89	+2.79	1.41	-0.68	0.88	-2.46	4.89	+1.21	5.29	+1.45	4.61	+0.47	2.25	-1.86	6.49	+3.09	1.68	-0.88	5.58	+2.16	3.08	-0.03	3.06	+0.50	45.11	+5.76
Derry	8.52	+4.64	2.05	-0.97	2.18	-1.68	6.48	+2.75	4.57	+0.93	3.20	-1.74	6.85	+2.38	2.99	-1.08	1.61	-1.53	6.81	+3.57	2.14	-0.49	4.01	+0.71	51.41	+7.49
Donora	7.46	+4.58	1.50	-0.71	1.40	-2.14	6.93	+3.25	2.75	-0.64	3.48	+0.08	6.10	+2.66	3.25	-0.61	3.14	+0.47	5.11	+2.23	1.37	-1.10	2.73	+0.25	45.22	+8.32
Ebensburg	7.20	+3.61	2.14	-0.57	2.77	-0.87	6.75	+3.55	4.26	-0.08	3.71	-1.13	4.15	-0.01	6.19	+2.17	2.87	-0.63	5.84	+2.52	1.72	-1.16	4.55	+1.57	52.15	+8.97
Franklin	10.82	+6.90	1.87	-0.62	1.94	-1.41	6.57	+3.07	5.30	+1.42	5.38	+1.25	5.57	+1.30	4.27	+0.58	3.14	-0.25	3.29	0.00	2.07	-0.86	2.41	-0.77	52.63	+11.11
Greensboro	8.11	+4.76	1.76	-0.83	2.33	-1.33	5.31	+2.04	5.51	+1.82	4.23	-0.41	6.05	+1.62	3.41	-0.23	2.23	-0.90	5.29	+2.29	0.76	-1.84	2.09	-1.06	47.08	+5.93
Greensburg	8.07	+4.64	1.79	-0.96	2.24	-1.18	6.50	+3.10	3.58	-0.20	3.89	-0.50	7.14	+3.37	3.05	-1.06	1.33	-1.59	5.03	+2.11	1.96	-0.44	3.54	+0.49	48.12	+7.78
Greenville	8.68	+5.05	1.70	-0.87	2.03	-1.34	5.42	+1.96	4.14	+0.43	5.57	+1.66	5.64	+1.32	3.67	+0.20	3.73	+0.44	4.63	+1.11	2.03	-0.90	3.37	+0.47	50.61	+9.53
Grove City	7.78	+4.57	1.55	-0.68	1.80	-1.52	5.28	+1.87	4.06	-0.07	3.56	-0.51	3.57	-0.99	5.09	+1.62	2.41	-1.10	3.91	+0.74	3.25	+0.22	1.48	-1.62	43.74	+2.53
Herrs Island Dam	8.28	+5.34	1.50	-0.92	1.59	-1.68	6.00	+2.88	3.75	+0.62	2.45	-1.71	3.75	+0.14	2.82	-0.42	0.95	-1.51	4.44	+1.75	1.11	-1.12	3.04	+0.31	39.68	+3.08
Irwin	8.17	+5.23	1.80	-0.55	1.97	-1.25	6.62	+3.49	3.01	-0.22	4.03	-0.36	7.51	+3.77	3.78	0.00	2.53	-0.22	5.01	+2.14	2.02	-0.27	3.75	+0.86	50.20	+12.62
Johnstown	9.69	+5.37	2.57	-0.91	2.73	-1.77	6.80	+2.85	3.51	-0.58	3.60	-1.60	6.01	+1.72	4.42	-0.10	3.28	+0.04	6.26	+3.00	1.34	-2.54	3.92	+0.15	54.13	+6.63
Kane (near)	7.63	......	1.96	......	1.80	......	7.11	......	4.68	......	5.80	.....	4.74	......	4.76	....	*1.49	......	6.35	......	2.98	......	3.80	.....	53.10	......
Kregar	8.57	+4.97	2.42	-0.63	2.80	-1.35	6.91	+2.79	4.39	+0.32	4.66	+0.05	4.29	-0.69	6.11	+0.66	1.85	-1.63	7.31	+3.22	1.90	-1.11	3.99	+0.68	55.20	+7.28
Lake Lynn	7.73	......	2.67	......	1.81	.....	4.61	......	5.11	.....	4.10	......	5.08	......	4.39	......	1.89	......	5.97	......	1.63	......	2.25	......	47.24	......
Linesville	6.41	+3.17	1.84	-0.53	1.84	-1.29	3.51	+0.33	1.67	-2.36	*6.37	+2.31	3.11	-0.70	2.52	-1.08	4.04	+0.16	4.91	+1.33	2.11	-0.76	3.18	-0.10	41.51	+0.47
Lock No.2 (Neville)	7.41	+4.42	1.41	-1.04	1.55	-1.79	5.87	+2.80	4.04	+0.77	2.99	-1.59	4.64	+0.82	4.59	+1.45	1.10	-1.78	3.63	+0.95	1.48	-0.91	2.99	+0.19	41.70	+4.29
Lock No.4	7.68	-4.65	1.90	-0.59	1.61	-1.88	6.97	+3.66	2.70	-0.75	3.34	-0.59	6.38	+2.70	2.94	-0.70	2.71	-0.08	4.60	+1.69	0.99	-1.20	2.83	-0.06	44.65	+6.85
Lock No. 5	8.04	+4.41	1.77	-0.93	1.98	-1.76	6.27	+2.80	4.52	+0.64	3.85	-0.76	4.77	+0.65	5.34	+1.52	1.03	-2.03	4.55	+1.40	1.58	-1.09	3.66	+0.35	47.36	+5.20
OHIO BASIN.—Cont.																										
Lycippus	10.54	+6.41	1.93	-1.20	2.50	-1.43	7.64	+3.82	4.17	+0.19	3.52	-1.36	8.54	+3.88	3.10	-1.32	2.91	-0.37	7.19	+3.79	2.10	-0.57	4.02	+0.47	58.16	+12.31
McKeesport	6.97	......	1.25	......	1.46	......	5.39	......	2.21	......	1.99	......	5.31	......	3.62	......	0.65	......	3.24	......	1.19	......	2.42	......	35.70	......
Meadville	8.45	+5.11	2.03	-0.49	1.71	-1.67	5.17	+1.64	2.64	-1.47	9.01	+4.95	4.89	+0.92	4.66	+1.13	3.64	-0.06	3.75	-0.02	1.69	-1.85	2.76	-0.42	50.40	+7.77
Midland	9.39	......	1.01	......	1.69	.....	6.57	......	3.83	......	3.89	.....	5.59	......	2.25	......	1.96	.....	4.08	.....	1.67	......	3.26	......	45.19	......
Mosgrove	8.47	+4.76	1.71	-0.40	1.70	-1.64	5.85	+2.89	3.25	-1.00	4.81	+0.84	3.82	+0.07	3.98	-0.57	1.53	-0.94	5.14	+1.52	2.05	-0.23	4.27	+1.17	46.58	+6.47
Mt. Lebanon	8.21	+5.22	1.37	-1.07	1.79	-1.65	5.96	+2.58	4.12	+0.41	3.37	-0.58	4.74	+1.20	2.77	-1.29	1.12	-1.99	5.04	+1.91	1.14	-1.50	2.90	+0.33	42.58	+3.57
Natrona	7.79	......	1.92	......	1.96	.....	6.62	......	4.54	....	3.39	.....	6.00	......	6.97	......	1.16	.....	5.02	....	1.65	.....	3.60	......	50.62	......
New Castle	7.11	+3.91	1.22	-0.97	2.93	-0.11	5.66	+2.24	5.11	+1.54	4.18	-0.11	6.82	+3.16	5.50	+2.02	2.70	-0.31	3.54	+0.74	1.72	-0.63	3.18	+0.48	49.67	+11.96
Newell	8.30	+5.33	2.45	+0.23	2.00	-1.11	6.10	+3.25	3.31	+0.20	4.53	+0.68	6.16	+2.66	3.81	+0.17	2.61	-0.07	5.06	+2.44	1.61	-0.56	2.90	+0.33	48.78	+13.55
Parkers Landing	8.61	+4.94	1.46	-1.35	1.91	-1.84	5.47	+1.89	3.67	0.00	3.31	-0.81	4.86	+0.83	6.71	+2.78	3.08	-0.11	4.69	+1.72	2.88	-0.09	4.15	+0.66	50.80	+8.62
Pennline	7.81	+4.96	1.59	-0.47	1.74	-1.18	5.02	+1.81	1.88	-2.40	7.98	+3.88	4.05	+0.37	2.55	-1.56	2.86	-1.18	5.80	+2.16	2.44	-0.38	2.87	+0.12	46.59	+6.13
Pittsburgh	7.15	+4.10	1.40	-1.22	2.09	-0.94	5.62	+2.70	2.21	-1.00	2.65	-1.16	5.63	+1.58	2.52	-0.71	0.57	-2.01	3.73	+1.21	1.10	-1.19	2.99	+0.18	37.66	+1.49
Punxsutawney	7.20	+4.20	1.51	-0.81	1.88	-1.42	6.56	+3.26	3.41	-0.17	5.10	+0.68	5.91	+2.02	4.92	+1.48	0.83	-2.49	5.47	+2.42	1.93	-0.48	4.17	+1.21	48.89	+9.85
Ridgway	8.16	+5.01	2.34	-0.03	1.27	-1.98	5.66	+2.63	4.03	+0.47	4.75	+0.37	4.74	+0.99	3.97	+0.55	1.17	-1.82	5.02	+1.89	2.06	-0.64	3.57	-0.20	46.74	+7.24
Saltsburg	8.33	+4.81	1.58	-1.23	2.22	-0.97	6.52	+3.27	3.50	+0.16	3.30	-1.11	6.43	+2.40	6.29	+2.39	2.15	-1.36	4.80	+1.64	1.93	-0.42	3.66	+0.56	50.71	+10.14
Sharon	7.86	+5.14	1.15	-0.85	2.34	-0.42	5.39	+2.35	3.52	+0.33	4.79	+1.11	5.52	+1.55	6.35	+2.78	3.27	+0.57	3.60	+0.78	1.17	-1.06	2.95	+0.57	47.91	+12.85
Smethport	7.30	+4.41	1.89	-0.20	1.05	-2.20	5.17	+2.35	3.84	-0.29	6.61	+2.98	3.86	-0.63	2.94	-0.67	0.55	-2.89	5.07	+2.15	2.10	-0.71	2.09	-0.44	42.47	+3.86
Somerset	8.51	+3.68	1.92	-1.98	2.26	-2.46	7.20	+1.41	3.29	-1.09	3.93	-1.71	5.64	+0.75	5.20	+0.29	1.86	-1.74	6.18	+2.97	1.49	-1.69	2.71	-1.37	50.19	-1.94
Springdale	8.25	+4.84	1.63	-0.99	2.07	-1.67	6.12	+2.82	4.27	+0.66	2.55	-1.97	6.16	+2.04	4.81	+0.80	1.82	-1.12	4.72	+1.76	1.57	-1.02	3.56	+0.42	47.53	+6.57
Uniontown	8.38	+4.68	1.87	-1.00	1.91	-2.08	5.65	+1.92	4.06	+0.43	3.66	-1.06	8.69	+4.37	2.24	-2.47	1.45	-1.85	6.30	+2.93	1.86	-1.07	2.45	-0.98	48.52	+3.82
Unity Reservoir	8.30	+4.34	1.81	-1.16	1.85	-1.69	6.79	+3.20	4.30	+0.72	4.48	+0.14	7.84	+3.55	3.04	-1.16	1.60	-1.82	5.44	+2.28	1.86	-0.68	3.69	+0.07	51.00	+8.29
Vandergrift	5.47	+2.24	0.76	-2.05	1.32	-2.20	6.17	+3.32	3.06	-0.20	2.89	-1.35	5.36	+0.99	5.71	+1.81	1.99	-1.13	4.36	+1.37	1.53	-1.01	2.21	-0.77	40.83	+1.02
Warren	7.51	+4.54	1.87	-0.47	2.10	-1.22	6.22	+2.60	4.09	+0.07	8.59	+4.12	4.84	+0.44	5.95	+2.20	1.29	-2.40	5.32	+1.80	2.61	-0.75	3.04	-0.04	53.43	+10.89
Waynesburg	8.56	....	1.62	......	1.73	.....	5.09	......	4.46	.....	4.33	......	4.67	......	1.97	......	3.32	.....	5.92	.....	1.39	......	2.44	....	45.50	....
Westford	8.26	+5.17	2.52	+0.39	2.22	-0.81	4.53	+1.66	3.67	-0.04	6.83	+2.76	4.04	+0.02	4.08	+0.58	4.81	+1.19	4.98	+1.25	4.97	+2.13	5.72	+2.94	56.63	+17.24
West Newton	6.56	+3.20	1.51	-1.27	1.63	-1.92	6.06	+2.84	2.56	-1.07	3.29	-0.82	5.21	+1.23	5.92	+2.00	1.76	-1.07	3.85	+0.91	1.34	-1.06	2.71	-0.47	42.40	+2.50
POTOMAC BASIN																										
Buffalo Mills	5.55	+2.91	2.15	-0.07	1.43	-1.77	7.08	+3.36	2.19	-0.85	2.03	-1.45	2.75	-0.62	5.34	+1.83	3.85	+0.75	6.76	+3.53	1.37	-1.13	1.66	-0.42	42.16	+6.07
Chambersburg	6.12	+2.98	2.59	-0.07	1.62	-1.65	6.59	+3.35	2.81	-0.58	7.26	+3.04	5.97	+1.97	5.11	+1.29	2.80	-0.17	6.61	+3.54	2.30	+0.05	1.54	-1.42	51.32	+12.33
Gettysburg	5.83	+2.55	3.19	+0.43	1.52	-2.00	7.27	+3.64	3.05	-0.64	6.93	+2.54	4.58	+0.22	4.29	-0.03	3.10	-0.49	7.67	+4.27	4.48	+2.08	0.82	-2.34	52.78	+10.23
Hyndman	3.15	+0.09	3.56	+0.98	1.01	-2.25	*7.55	+4.13	1.56	-1.36	2.22	-2.06	3.43	+0.36	5.03	+1.46	1.95	-0.92	7.21	+4.43	*1.40	-0.64	*2.28	-0.39	40.35	+3.83
LAKE BASIN																										
Erie	6.05	+3.28	2.15	-0.43	1.23	-1.39	7.03	+4.30	2.10	-1.30	6.64	+3.30	1.60	-1.41	4.45	+1.18	2.56	-0.83	3.75	+0.06	1.89	-1.41	3.55	+0.72	43.00	+6.07

* Monthly amount interpolated; annual amount partly interpolated.

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown	Apr. 17	Oct. 9	Lancaster	May 1	Oct. 9
Altoona	do. 23	Sept. 18	Lawrenceville	do. 16	Sept. 18
Bedford	do. 17	Oct. 9	Lebanon	Apr. 17	Oct. 9
Brookville	May. 21	Sept. 18	Meadville	May 11	Sept. 18
Carlisle	Apr. 17	Oct. 9	Midland	Apr. 10	Oct. 14
Center Hall	Mar. 30	do. 9	Muncy Valley	May. 16	Sept. 21
Chambersburg	Apr. 17	do. 9	New Castle	do. 11	Oct. 9
Chambersville	May 21	Sept. 18	Newell	Apr. 17	do. 14
Claysville	do. 11	do. 18	Philadelphia	Mar. 29	do. 15
Clearfield	do. 11	do. 18	Pittsburgh	Apr. 12	Sept. 18
Coatesville	Apr. 17	Oct. 9	Quakertown	May 1	Oct. 9
Corry	May 11	Sept. 18	Reading	Mar. 31	do. 15
Coudersport	do. 16	do. 18	Retreat	Apr. 17	do. 9
Emporium	do. 11	do. 27	Ridgway	May 21	Sept. 18
Ephrata	Apr. 17	Oct. 9	Scranton	Apr. 17	Oct. 9
Erie	do. 12	do. 24	Selinsgrove	do. 17	do. 9
Franklin	do. 17	Sept. 18	Sharon	May 11	....
George School	do. 13	Oct. 9	Somerset	do. 16	Sept. 18
Gettysburg	do. 13	do. 9	State College	Apr. 17	do. 27
Gordon	May 1	Sept. 18	Stroudsburg	do. 17	do. 21
Gouldsboro	do. 16	do. 18	Towanda	do. 17	do. 21
Greensburg	Apr. 17	do. 18	Uniontown	do. 17	Oct. 14
Greenville	May 11	do. 18	Vandergrift	do. 17	do. 9
Grove City	Apr. 17	do. 14	Warren	do. 12	do. 14
Hamburg	do. 13	Oct. 9	Waynesburg	do. 17	Sept. 18
Harrisburg	Mar. 31	do. 16	Wellsboro	May 21	do. 18
Hawley	May 16	Sept. 18	West Chester	Apr. 11	Oct. 15
Huntingdon	do. 1	Oct. 9	Williamsport	do. 17	do. 9
Johnstown	Apr. 17	do. 9	Williamstown	do. 27	do. 9
Kane (near)	May 11	do. 8	York	do. 17	do. 9

MONTHLY STATE DATA FOR 1937

Month	Temperature						Precipitation					
	Mean	Dep. from normal	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Dep. from normal	Greatest	Least	Greatest in 24 hrs.	Average snow
January	36.7	+8.2	44.0	30.6	71	5	6.36	+3.08	10.54	2.63	2.12	4.3
February	31.4	+3.2	38.6	25.6	77	-12	2.32	-0.53	4.92	0.76	2.61	6.5
March	34.2	-3.4	42.6	25.5	67	-3	2.00	-1.50	3.84	0.80	1.68	8.3
April	47.7	-0.9	54.4	41.6	89	19	5.53	+2.09	9.49	2.78	3.82	0.2
May	60.7	+1.1	68.9	54.2	96	24	3.39	-0.48	5.67	1.47	2.30	0.0
June	69.5	+1.4	76.6	63.0	99	38	4.37	+0.27	9.32	1.59	5.43	0.0
July	72.4	+0.2	80.2	65.6	101	37	4.47	+0.19	8.69	0.97	4.38	0.0
August	73.5	+3.3	79.4	67.2	101	40	5.43	+1.17	11.29	1.42	6.50	0.0
September	61.5	-2.7	66.8	54.6	97	25	1.90	-1.47	5.72	0.55	3.40	0.0
October	50.6	-1.9	57.6	43.8	89	12	5.84	+2.58	10.40	2.98	4.50	0.1
November	40.7	-0.6	48.0	33.6	79	-3	2.56	-0.31	5.25	0.76	3.78	2.0
December	29.7	-1.5	38.1	23.6	66	-14	2.45	-0.66	5.72	0.70	1.88	5.7
Year	50.7	+0.5	80.2	23.6	101	-14	46.62	+4.43	11.29	0.55	6.50	27.1

Monthly and Annual Mean Temperatures for the Year 1937, with Departures from the Normal

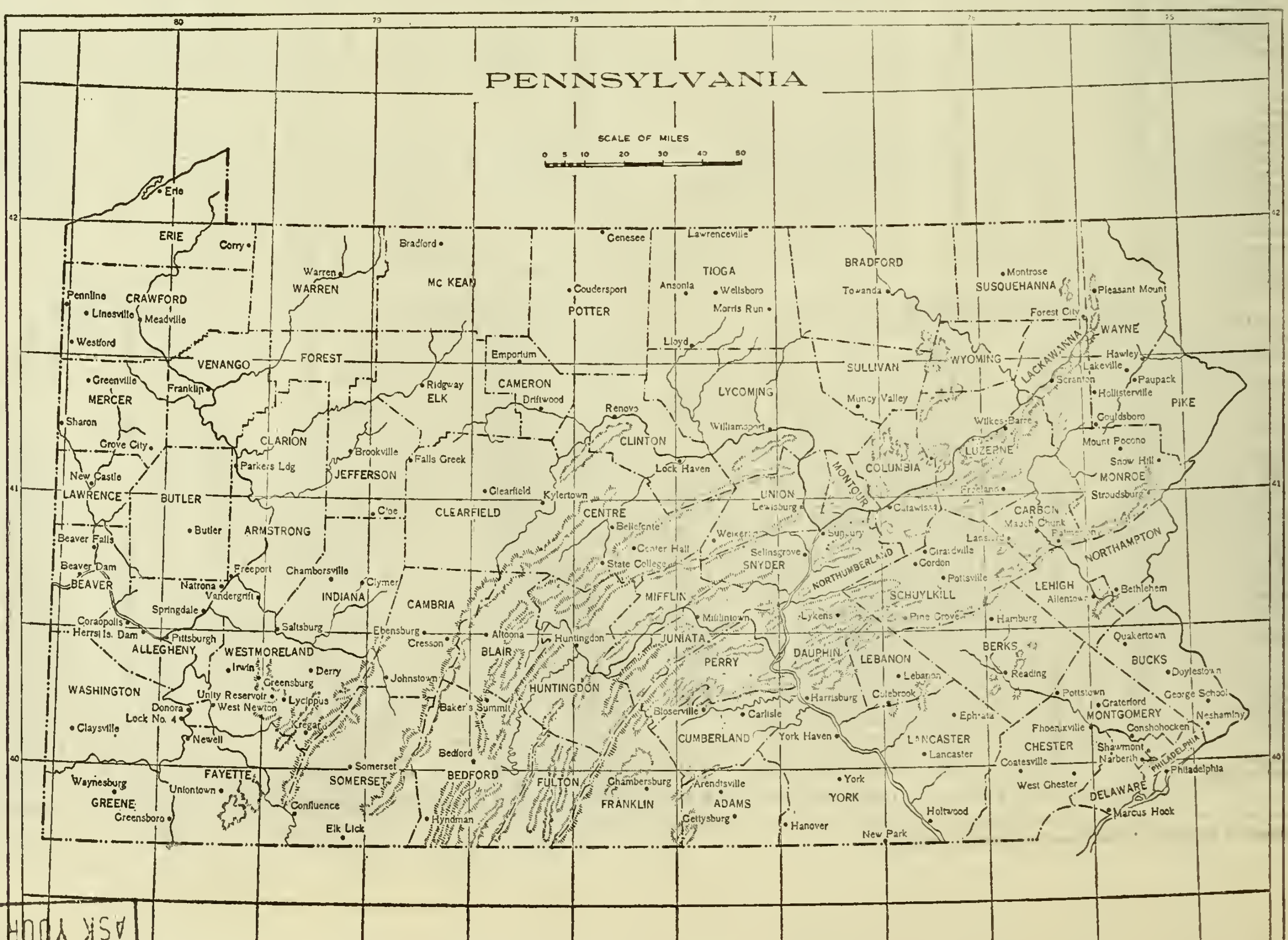
Stations.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic Drainage.																										
Allentown	36.2	+6.4	32.8	+3.9	35.6	-2.6	48.8	+0.3	63.2	+2.9	71.6	+1.6	74.8	+0.9	75.4	+3.7	63.8	-1.5	52.4	-0.5	43.2	+0.8	32.0	+0.1	52.5	+1.3
Altoona	34.7	+6.9	29.2	+2.6	33.5	-4.0	45.4	-2.4	58.7	-0.1	67.6	+1.0	70.6	-0.4	71.4	+2.3	59.7	-3.5	48.0	-4.1	38.7	-1.8	27.2	-2.7	48.7	-0.5
Ardmore	39.2	+7.0	33.4	+1.4	36.1	-5.1	48.6	-1.7	61.8	+0.7	70.2	-0.2	73.6	-0.9	74.2	+2.0	62.8	-4.4	52.6	-2.5	43.5	-0.9	33.8	-0.4	52.5	+0.4
Arendtsville	36.6	+6.1	31.4	+0.2	36.2	-3.1	50.0	+0.8	62.4	+2.3	72.8	+2.2	75.6	+1.2	75.0	+2.8	63.0	-3.0	50.6	-3.5	.....	.....	31.8	-1.2	.....	.....
Bedford	37.6	.....	31.1	.....	36.1	.....	48.0	.....	60.0	.....	69.6	.....	72.4	.....	73.5	.....	60.8	.....	49.7	.....	40.7	.....	29.8	.....	50.8	.....
Bethlehem	38.0	+7.2	34.8	+3.8	36.0	-4.5	50.4	-0.9	64.9	+2.5	73.2	+2.7	76.4	+1.3	76.6	+3.5	65.6	-1.3	54.0	-1.6	44.8	+0.4	33.4	-0.1	54.0	+1.1
Carlisle	36.8	+8.2	33.7	+3.7	39.0	+0.4	50.6	-1.4	63.5	+1.9	73.4	+2.3	75.0	-0.1	75.2	+2.4	63.6	-1.8	52.0	-0.9	43.4	+1.9	32.2	+0.5	53.2	+1.4
Catawissa	38.4	+9.8	33.1	+3.6	[a]35.5	-2.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Center Hall	32.6	+6.1	31.4	+4.1	34.2	-2.2	46.8	-0.9	58.2	-0.2	67.2	+1.3	68.7	-1.3	69.2	+0.8	60.5	-1.8	49.6	-2.2	40.0	-0.4	28.9	-1.0	48.9	+0.1
Chambersburg	37.4	+7.5	33.8	+2.3	38.6	-1.1	49.6	-0.6	62.5	+1.3	72.8	+2.8	74.9	+0.2	75.6	+3.4	63.4	-2.9	51.7	-1.5	43.0	+0.8	32.7	-0.4	53.0	+1.0
Clearfield	36.0	+8.4	28.6	+0.4	32.4	-4.9	45.8	-1.8	59.6	+0.7	68.0	+2.5	71.4	-0.2	74.0	+3.0	[a]61.6	-2.5	49.4	-3.1	40.3	-0.9	27.8	-2.0	49.6	-0.1
Coatesville	33.2	+7.7	32.8	+2.5	36.2	-3.7	47.4	-3.0	58.0	-3.3	71.4	+1.2	75.0	+0.3	74.9	+2.3	63.1	-3.2	51.8	-2.3	41.9	-1.0	31.2	-1.6	51.8	-0.4
Colebrook	35.1	+6.7	30.1	+0.7	33.8	-5.2	47.6	-1.0	60.2	+0.9	68.6	+0.5	70.4	-1.9	71.2	+1.0	[c]62.1	-2.2	50.4	-1.9	40.6	-1.0	29.0	-2.4	49.9	-0.5
Emporium	35.6	+9.3	28.8	+3.2	31.2	-4.1	45.6	-1.1	58.4	+0.6	66.8	+0.9	70.6	+0.9	72.2	+4.7	60.3	-1.2	48.2	-1.8	38.0	-1.3	27.4	-1.8	48.6	+0.7
Ephrata	38.6	+8.0	34.4	+4.5	38.0	-2.0	51.2	+1.0	64.8	+3.3	73.6	+4.3	77.1	+2.3	76.6	+4.4	64.8	-1.4	53.4	-1.2	43.8	+0.5	33.0	+0.5	54.1	+2.0
Freeland	32.2	+7.9	27.4	+2.8	28.8	-4.1	43.4	-0.9	59.2	+2.6	67.1	+2.2	70.0	-1.1	70.2	+3.7	58.2	-1.9	46.0	-1.5	36.6	-0.6	24.6	-2.6	47.0	+0.8
George School	39.8	+8.1	35.4	+4.4	36.7	-3.9	50.5	+0.3	63.4	+2.4	71.6	+2.3	75.4	+1.2	76.2	+4.3	64.6	-1.8	54.1	-1.2	44.9	+1.1	33.8	+0.5	53.9	+1.5
Gettysburg	38.9	+8.8	34.4	+3.2	39.4	-0.8	50.9	+0.1	63.9	+2.3	73.2	+3.1	75.2	+0.7	75.2	+3.1	64.1	-1.5	53.6	+0.3	44.0	+1.7	33.4	+0.9	53.9	+1.9
Gordon	35.1	+7.9	30.2	+3.2	33.8	-3.0	46.4	-1.2	59.8	+1.8	69.2	+3.2	71.0	+0.6	71.5	+3.3	59.5	-3.0	49.2	-1.5	39.9	0.0	28.2	-1.2	49.5	+0.9
Gouldsboro	31.5	+8.0	25.6	+3.3	25.5	-4.6	41.6	+0.8	56.0	+3.3	63.0	+1.8	65.8	+0.7	67.6	+4.1	54.8	-2.2	44.2	-1.3	35.8	-0.1	23.7	-1.6	44.6	+1.1
Hamburg	37.2	+8.1	32.4	+3.2	35.3	-3.1	48.0	-1.5	64.2	+3.1	71.6	+2.4	73.6	+0.1	71.2	-0.2	61.9	-3.5	51.4	-2.1	42.6	+0.8	31.4	-0.5	51.7	+0.5
Hanover	40.0	+6.9	35.2	+2.3	39.1	-3.2	51.0	-1.4	64.3	+1.2	73.6	+2.2	75.1	-0.7	75.7	+2.2	64.7	-3.1	54.3	-1.9	45.0	+0.1	34.2	-0.4	53.5	-0.5
Harrisburg	37.7	+8.7	33.0	+2.8	37.6	-1.3	49.6	-1.3	63.4	+1.6	72.2	+1.9	74.8	0.0	75.0	+2.4	63.8	-2.0	52.8	-2.0	43.6	+0.8	32.8	+0.1	53.0	+0.9
Hawley	31.6	+5.8	27.3	+1.9	28.2	-6.6	43.0	-2.3	57.6	+0.5	65.8	-0.4	69.4	-1.0	70.6	+2.7	57.2	-4.2	47.4	-1.9	38.2	-1.1	26.2	-2.3	46.9	-0.7
Holtwood	39.4	+7.3	33.3	+1.1	38.3	-3.0	50.8	-0.6	64.4	+1.6	73.8	+1.2	76.2	-0.9	76.5	+1.7	65.2	-4.3	54.1	-2.5	44.2	-1.0	33.7	-0.8	54.2	0.0
Huntingdon	35.4	+6.3	30.9	+1.7	[a]35.6	-3.2	[a]48.0	-1.4	60.3	0.0	69.9	+1.4	72.8	+0.4	[a]74.7	+4.1	[a]61.4	-3.3	50.1	-2.6	40.5	-1.3	29.0	-2.6	50.7	-0.1
Hyndman	[a]37.2	+5.8	31.6	+0.1	38.0	-2.3	.....	.....	61.0	-0.2	72.0	+3.4	73.2	0.0	74.8	+3.2	62.5	-3.2	50.0	-3.3	.....	.....	.....	.....	.....	.....
Kylertown	32.4	.....	25.8	.....	30.3	.....	43.2	.....	57.8	.....	65.6	.....	68.9	.....	70.6	.....	57.1	.....	46.1	.....	36.7	.....	27.2	.....	46.8	.....
Lancaster	38.5	+8.2	33.6	+2.9	37.5	-2.1	51.0	+1.8	63.6	+2.7	72.4	+2.4	75.2	+1.2	75.4	+3.2	63.2	-2.4	52.3	-1.2	42.1	-1.0	32.1	-0.9	53.1	+1.3
Lawrenceville	32.4	+6.9	28.6	+4.0	29.8	-4.9	45.0	-0.9	59.8	+2.5	67.5	+1.5	71.4	+1.0	71.9	+3.7	60.2	-1.6	48.0	-2.6	38.7	-0.5	25.6	-3.1	48.2	+0.5
Lebanon	35.4	+6.0	32.2	+2.8	36.0	-3.3	48.8	-1.5	62.8	+1.8	71.4	+1.6	74.2	+0.1	74.8	+2.7	63.3	-2.5	51.8	-1.9	42.2	-0.4	[a]31.0	-1.1	52.0	+0.4
Lock Haven	35.9	+7.7	32.1	+3.9	36.2	-2.3	49.2	-1.1	62.5	+0.7	71.3	+1.5	74.0	+0.3	75.0	+3.6	62.6	-2.5	51.0	-2.6	41.4	-0.7	29.8	-1.4	51.8	+0.6
Marcus Hook	44.0	+7.9	38.6	+4.8	41.6	-2.6	54.4	0.0	[a]68.9	+3.3	76.6	+1.5	80.2	+1.3	79.4	+3.5	66.8	-4.1	58.0	-1.4	47.4	-0.2	38.1	-0.6	57.8	+1.1
Mauch Chunk	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71.6	-0.6	71.6	+1.6	58.8	-5.4	49.8	-2.5	40.9	0.0	29.2	-1.5	.....	.....
Mifflintown	37.0	+7.9	32.8	+3.3	38.0	-1.1	49.4	-0.6	[c]62.5	+1.9	71.2	+2.2	75.2	+1.8	76.2	+5.3	62.4	-2.7	51.2	-1.8	43.0	+1.2	.....	.....	.....	.....
Montrose	30.7	+7.1	25.7	+3.1	25.8	-6.3	42.8	-1.1	57.8	+3.0	65.4	+1.9	69.5	+1.5	70.5	+3.9	58.4	-2.2	46.4	-2.7	37.4	+2.2	25.0	-1.5	46.3	+0.8
Mount Pocono	30.6	+6.9	25.6	+4.2	27.4	-4.6	42.3	+0.1	56.2	+2.3	64.0	+2.3	66.9	-1.2	67.6	+3.6	56.1	-2.4	43.8	-4.4	33.6	-0.5	24.6	-1.1	44.9	+0.6
Muncy Valley	[a]32.2	+6.6	27.8	+2.1	30.4	-4.8	44.4	-2.5	57.4	+0.4	66.8	+1.4	68.8	-1.0	70.8	+3.0	[a]58.4	-3.1	47.7	-2.3	38.1	-1.2	26.3	-1.7	47.4	-0.3
Neshaminy Falls	39.1	+9.3	33.2	+3.8	35.4	-3.8	49.4	+0.2	62.6	+2.6	71.0	+1.9	74.2	+0.2	75.6	+4.0	63.0	-2.7	52.8	-1.1	42.0	-0.8	32.2	+0.2	52.5	+1.1
Palmerton	35.4	+5.4	31.0	+2.6	33.4	-3.9	47.4	+0.3	61.0	+1.6	69.6	+1.8	72.4	-0.9	73.5	+3.0	61.2	-2.8	50.5	-1.3	41.0	-1.3	30.5	-0.9	50.6	+0.3
Philadelphia	41.4	+8.8	35.8	+1.9	38.7	-2.1	51.2	-0.9	65.3	+2.4	72.6	+1.2	77.1	+0.9	77.2	+2.4	66.4	-1.6	55.0	-2.8	46.2	+0.5	36.0	-0.3	55.2	+0.8
Phila-Navy Yard	41.8	+8.5	36.0	+2.8	39.1	-2.9	51.6	+0.3	[f]64.0	+1.6	.....	.....	77.3	+0.9	78.0	+3.4	65.9	-2.6	55.1	-2.2	46.0	0.0	35.7	+0.1	.....	.....
Phila-Point Breeze	41.9	+7.2	36.6	+2.3	39.8	-3.2	51.6	+0.2	66.1	+2.1	73.2	+0.9	78.0	+0.6	77.6	+2.3	66.6	-3.0	57.2	-0.7	48.0	+0.4	37.4	+1.2	56.2	+0.9
Phoenixville	40.0	+8.9	34.6	+2.7	37.2	-3.8	51.2	-0.5	63.0	+1.1	73.0	+1.4	75.8	+0.2	76.2	+2.5	63.8	-3.3	54.2	-0.8	43.6	+0.1	33.0	-0.5	53.8	+0.7
Quakertown	37.6	+10.8	32.4	+3.8	34.7	-2.7	48.4	-0.1	61.0	+1.5	69.2	+0.8	[c]73.0	+0.4	73.0	+2.7	60.7	-3.3	51.6	-0.5	41.6	+0.2	30.9	-0.4	51.2	+1.1
Reading	38.8	+9.4	34.2	+5.4	37.4	-2.6	49.8	-0.5	64.2	+1.7	72.0	+2.2	74.8	-0.7	75.5	+3.1	64.7	-1.6	54.0	-0.7	44.8	+2.3	34.5	+2.3	53.7	+1.7
Retreat	34.7	.....	30.0	.....	32.8	.....	46.3	.....	59.6	.....	67.5	.....	71.0	.....	72.0	.....	60.2	.....	49.6	.....	40.2	.....	27.5	.....	49.3	.....
Scranton	35.4	+8.8	30.4	+3.1	31.4	-4.3	46.8	-1.3	60.7	+1.3	69.2	+1.4	73.0	+1.3	74.0	+4.2	61.2	-1.7	50.4	-1.4	41.4	+0.9	30.2	-0.5	50.3	+0.9
Selinsgrove	35.8	+6.8	31.8	+3.5	35.1	-3.4	47.6	-1.8	60.8	+0.2	71.6	+2.5	73.0	-0.4	73.4	+2.1	61.5	-3.4	50.4	-2.5	41.6	-0.2	29.0	-2.6	51.0	+0.1
Shawmont	40.5	+8.2	35.2	+2.2	37.2	-5.4	51.4	-0.5	64.5	+1.4	73.6	+1.2	77.3	+0.7	77.1	+3.1	65.4	-2.9	54.8	-1.3	44.2	-1.0	33.8	-1.4	54.6	+0.4
Shippensburg	37.8	.....	33.7	.....	37.8	.....	49.4	.....	62.2	.....	72.3	.....	73.8	.....	74.4	.....	63.0	.....	52.4	.....	42.4	.....	31.2	.....	52.5	.....
State College	35.4	+7.4	29.4	+2.7	33.8	-2.3	46.4	-1.1	60.2	+1.5	68.4	+1.7	71.0	+0.2	71.8	+3.1	59.6	-3.2	48.7	-2.5	39.4	-0.6	27.4	-2.4	49.3	+0.5
Stroudsburg	34.8	+7.5	30.1	+3.3	32.7	-3.5	47.5	-0.4	59.5	+0.9	67.8	+1.0	72.2	+0.4	74.0	+4.5	61.0	-1.7	49.6	-2.2	41.3	+0.6	30.6	+0.4	50.1	+0.9
Towanda	34.2	+8.3	29.2	+4.3	30.4	-4.6	45.2	-1.1	59.0	+1.6	66.8	+1.1	71.1	+0.6	72.8	+4.4	59.7	-2.7	49.5	-1.3	39.8	0.0	28.4	-0.3	48.8	+0.8
Wellsboro	31.1	+6.8	23.6	+1.5	28.2	-4.7	43.2	-1.3	57.3	+0.9	66.0	+1.5	69.2	+0.4	70.5	+4.2	58.0	-1.9	45.8	-3.1	[d]37.2	-0.4	26.5	-1.3	46.2	0.0
West Chester	40.0	+9.3	34.4	+3.3	37.0	-2.1	50.2	+0.4	62.8	+2.0	71.4	+1.8	75.7	+1.3	75.4	+3.4	64.0	-1.6	53.8	-0.8	43.9	+0.8	33.7	+0.4	53.5	+1.5
Williamsport	34.2	+6.4	30.9	+3.2	34.4	-3.1	48.0	-0.9	61.2	+0.7	69.9	+0.9	72.6	-0.8	74.0	+2.1	61.6	-3.0	50.3	-2.4	41.2	0.0	29.2	-1.5	50.6	+0.2
Williamstown	36.3	+7.2	31.2	+1.1	34.8	-4.2	47.8	-1.7	62.6	+2.5	70.2	+2.0	73.6	+1.1	74.0	+3.5	63.4	-1.5	50.6	-2.7	42.9	+0.8	39.5	-0.7	52.2	+1.3
York	39.2	+8.7	34.0	+3.0	37.6	-3.0	50.8	-0.1	63.0	+1.6	72.3	+2.1	73.9	-0.6	74.8	+2.3	62.6	-3.8	52.6	-1.6	43.0	-0.2	32.3	-0.9	53.0	+0.6
Ohio Drainage.																										
Brookville	32.9	+7.8	27.6	+2.8	[a]29.8	-3.7	44.4	-0.5	59.7	+4.2	64.6	+0.9	68.5	+0.3	70.6	+4.4	56.8	-3.7	46.7	-2.1	[e]36.0	-1.8	25.0	-2.9	46.9	+0.5
Butler	36.6	+6.5	31.6	+4.2	33.6	-4.1	47.0	-0.6	59.8	+0.5	68.4	+0.6	72.0	-0.3	73.0	+3.2	61.0	-3.5	52.3	-0.6	39.2	+1.3	27.6	-3.5	50.2	+0.3
Chambersville	36.7	+7.1	31.0	+1.6	32.8	-5.9	46.2	-3.0	57.7	-2.0	68.0	+0.2	70.8	-0.8	71.8	+1.9	59.6	-5.1	49.6	-2.9	38.6	-2.6	27.1	-2.9	49.2	-1.2
Clairton	38.9	.....	31.5	.....	34.6	.....	48.4	.....	60.8	.....	68.0	.....	70.0	.....	73.0	.....	59.8	.....	49.1	.....	38.6	.....	29.7	.....	50.2	.....
Claysville	40.3	+8.9	33.0	+1.6	36.0	-5.0	49.3	-1.3	60.4	-0.5	71.2	+1.8	72.4	-1.0	75.0	+3.3	63.0	-5.2	52.2	-1.9	40.2	-2.1	29.6	-3.1	51.9	-0.4
Corry	35.1	+9.3	29.2	+3.6	29.4	-3.3	43.4	-1.2	58.0	+3.0	67.1	+1.8	71.6	+2.7	71.4	+4.6	59.3	-1.8	47.8	-1.4	37.6	-1.0	25.4	-3.0	47.9	+1.1
Coudersport	.....	.....	[c]23.2	.....	29.6	.....	44.1	.....	57.2	.....	65.6	.....	69.2	.....	70.8	.....	57.4	.....	45.1	.....	34.7	.....	24.6	.....	.....	.....
Derry	39.8	+9.1	33.2	+3.5	35.2	-4.6	48.6	-0.8	60.4	-0.2	70.0	+1.3	72.0	-0.6	74.4	+3.7	62.4	-3.1	52.8	-1.2	41.7	-0.4	30.2	-1.9	51.7	+0.4
Donora	42.6	+7.4	35.2	+1.1	38.6	-3.1	51.0	-0.5	62.8	+0.2	72.3	+0.9	74.4	-1.7	76.8	+2.9	65.0	-3.6	53.8	-1.8	42.9	-2.2	32.6	-3.5	54.0	-0.3
Ebensburg	34.2	+7.8	28.0	+0.5	31.2	-4.7	44.0	-1.1	58.0	+1.5	66.9	+1.9	[a]69.7	+1.2	70.8	+4.1	59.6	-2.0	47.4	-2.5	38.4	-0.4	27.2	-1.7	48.0	+0.4
Franklin	33.6	+6.9	28.8	+3.2	30.5	-5.0	45.5	-0.5	60.7	+3.1	65.4	-0.8	69.7	-1.1	71.4	+3.0	58.4	-4.5	47.1	-4.1	36.6	-2.9	25.8	-3.6	47.8	-0.5
Greensburg	40.1	+8.6	32.6	+1.5	35.4	-4.5	48.4	-1.8	60.4	+0.1	70.0	+1.4	72.0	-0.6	74.0	+3.2	62.4	-3.1	[a]51.6	-2.5	40.9	-2.0	30.1	-2.8	51.5	-0.2
Greenville	34.4	+6.7	30.6	+3.8	[c]33.5	-2.9	47.7	+1.1	59.4	+1.6	69.6	+2.7	72.4	+1.1	74.2	+5.2	60.6	-2.7	50.4	-0.8	39.2	-0.7	27.4	-2.9	50.0	+1.1
Grove City	35.0	+7.3	30.6	+3.0	32.5	-4.8	46.4	-1.2	58.4	+0.3	67.2	+1.1	70.0	-0.5	70.8	+4.2	59.4	-4.0	49.6	-2.4	39.2	-1.3	27.1	-2.9	48.8	-1.1
Irwin	.....	.....	32.8	+2.9	34.8	-5.0	.....	.....	59.6	+0.5	69.4	+0.7	72.0	-0.3	73.8	+3.2	62.1	-2.6	51.2	-2.7	40.1	-2.0	29.2	-3.2	.....	.....
Johnstown	38.1	+7.7	32.0	+1.8	36.2	-2.9	48.9	-0.9	61.0	-0.1	70.9	+1.5	72.6	-0.7	75.6	+4.3	63.8	-2.0	51.0	-2.7	41.6	-0.4	31.0	-1.5	51.9	+0.3
Kane (near)	31.3	.....	27.3	.....	28.7	.....	43.4	.....	57.2	.....	64.9	.....	68.3	.....	69.3	.....	.....	.....	45.9	.....	36.3	.....	23.6	.....	.....	.....
Lycippus	39.0	+8.4	32.1	+2.7	33.8	-5.8	47.5	-2.1	59.9	-0.7	69.0	+0.6	72.0	-0.6	74.8	+3.9	63.0	-3.0	52.2	-2.1	41.0	-1.5	29.0	-3.5	51.1	-0.3
Meadville	34.2	+8.5	30.3	+6.1	31.3	-3.6	47.0	+1.4	59.4	+2.5	68.6	+2.9	72.4	+2.7	72.9	+5.3	58.8	-3.5	47.4	-3.4	36.4	-2.6	25.6	-3.5	48.7	+1.1
Midland	38.4	.....	33.0	.....	35.2	.....	49.6	.....	61.0	.....	70.1	.....	72.9	.....	74.2	.....	61.8	.....	52.0	.....	41.0	.....	31.4	.....	51.7	.....
Mt. Lebanon	37.8	+6.4	31.2	+0.6	34.6	-3.8	47.7	-0.8	60.0	-0.4	69.4	+1.2	72.2	-1.0	74.8	+4.0	62.4	-3.4	50.4	-3.1	40.0	-2.3	29.7	-2.7	50.8	-0.5
New Castle	35.0	+6.9	30.4	+1.8	32.6	-4.2	47.0	-1.4	58.6	-0.9	68.8	-0.1	71.6	-0.9	72.2	+1.8	59.8	-4.5	49.4	-2.9	38.8	-1.4	27.2	-3.6	49.3	-0.8
Newell	42.4	+9.2	33.1	-0.4	35.8	-5.6	48.4	-2.5	58.8	-2.4	68.4	-1.5	70.0	-3.8	71.2	-0.7	62.3	-5.1	53.0	-2.1	42.2	-2.1	31.4	-3.8	51.4	-1.8
Pittsburgh**	37.7	+7.0	30.6	-1.7	34.4	-5.2	47.8	-3.4	61.4	-1.0	70.2	-0.5	72.9	-1.7	75.2	+2.3	62.6	-3.8	50.1	-5.6	39.4	-3.8	29.6	-4.6	51.0	-1.8
Ridgway	[a]33.2	+7.5	26.4	+1.3	29.0	-4.8	44.2	-1.4	56.6	+1.0	65.0	+0.9	68.8	+1.0	70.2	+3.1	57.0	-3.2	46.6	-2.2	36.3	-2.0	25.0	-2.8	46.4	-0.3
Sharon	35.6	+7.4	32.5	+4.3	34.0	-3.5	48.2	0.0	61.4	+2.2	71.8	+3.0	75.0	+2.0	76.6	+6.0	64.0	-0.9	53.0	0.0	41.1	-0.3	29.2	-1.6	51.9	+1.6
Somerset	33.8	+7.0	27.3	+0.4	30.8	-5.0	43.2	-2.9	54.2	-2.5	63.4	-1.9	65.6	-3.1	67.2	+0.1	54.6	-6.3	46.1	-3.3	35.2	-3.5	26.1	-2.8	45.6	-2.0
Uniontown	42.4	+9.5	34.4	+2.0	37.8	-3.5	50.4	-0.8	61.8	-0.1	71.2	+1.1	72.8	-0.6	75.5	+3.7	64.2	-0.9	53.4	-1.4	41.8	-1.9	31.5	-3.4	53.1	+0.3
Unity Reservoir	38.6	.....	30.5	.....	33.3	.....	48.0	.....	59.6	.....	68.9	.....	71.2	.....	73.2	.....	60.7	.....	50.0	.....	39.2	.....	26.6	.....	50.2	.....
Vandergrift	38.9	+7.6	32.6	+1.1	36.1	-3.8	49.0	-1.3	60.6	-0.2	70.2	+0.7	73.0	-0.5	75.0	+3.7	62.0	-3.5	51.5	-2.5	41.0	-1.7	30.7	-2.6	51.7	-0.3
Warren	35.0	+9.0	31.8	+7.1	30.0	-4.4	46.3	+1.6	58.3	+2.0	66.5	+1.3	70.8	+1.0	72.4	+4.7	60.2	-2.0	50.5	-0.3	39.6	+0.4	25.4	-3.1	48.9	+1.4
Waynesburg	42.1	.....	33.5	.....	37.0	.....	50.0	.....	60.8	.....	70.8	.....	72.4	.....	75.4	.....	62.8	.....	52.7	.....	41.4	.....	30.8	.....	52.5	.....
Lake Drainage.																										
Erie	34.8	+8.0	30.5	+3.6	30.4	-3.1	46.2	+0.1	58.2	+1.4	67.2	+1.0	73.1	+2.1	74.3	+4.7	62.7	-0.9	49.8	-3.6	40.3	-1.1	29.1	-2.8	49.6	+0.8

Letters of alphabet denote number of days missing.

COOPERATIVE AND RAINFALL OBSERVERS

Stations	Observers
Allentown	John A. Frick.
Altoona	John J. Martin.
Ansonia	Paul H. Mulford.
Ardmore	H. L. Balderston.
Arendtsville	Harold S. Miller.
Bakers Summit	M. Snyder.
Beaver Falls	W. Edward Eakin.
Bedford	Charles C. Lee.
Bellefonte	U. S. Airways Radio Sta.
Bethlehem	Lehigh University.
Bloserville	A. G. Mountz.
Bradford	City Water Dept.
Brookville	Frank S. Fawcett.
Buffalo Mills	Nelle R. Brown.
Butler	The Butler Eagle.
Carlisle	Clarence E. Miller.
Catawissa	Vacant
Center Hall	Edward E. Bailey.
Chambersburg	Wm. B. Spear.
Chambersville	John E. Lewis.
Clairton	Carnegie-Ill. Steel Corp.
Claysville	J. L. Melvin.
Clearfield	E. W. Hess, C. E.
Coatesville	Howard L. Pyle.
Colebrook	William A. Rorer.
Confluence	Grant Pyle.
Conshohocken	Russell C. Erb.
Corry	Assd. Gas & Electric Co.
Coudersport	Philip R. Shaw.
Derry	Ted R. Wineman.
Donora	Am. Steel & Wire Co.
Doylestown	Geo. Hart.
Du Bois	City Engineer.
Ebensburg	D. H. Jones.
Emporium	C. E. Koppenheffer.
Ephrata	Ira J. Keath.
Erie	U. S. Weather Bureau.
Forest City	L. L. Whipple.
Franklin	Arthur M. Fuller.
Fredericksville(near)	Henry H. Rohrbach.
Freeland	Andrew B. Evansha.
Galeton	W. Gale Lush.
George School	N. W. Swayne.
Gettysburg	Dr. Henry Stewart.
Girardville	Girard Water Co.
Gordon	Sallie M. Johnson.
Gouldsboro	Ronald H. Marshall.
Graterford	C. K. Kulp.
Greensburg	Westmoreland Water Co.
Greensboro	John D. Sedgwick.
Greenville	C. P. Clarke.
Grove City	Prof. H. W. Harmon.
Hamburg	State Sanatorium.
Hanover	Thomas Y. Cooper.
Harrisburg	U. S. Weather Bureau.
Hawley	Mrs. Della M. Pennell.
Herrs Island Dam	U. S. Engineer.
Hollisterville	Penn. P. & L. Co.
Holtwood	H. W. Lowy, C. E.
Huntingdon	Prof. Paul R. Yoder.
Hyndman	Glenn R. Shaffer.
Irwin	W. F. Gallagher.
Johnstown	Robert Tross.
Kane (near)	U. S. Forest Service.
Kregar	I. A. Knupp.
Kylertown	U. S. Weather Bureau.
Lake Lynn	R. McGeachie.
Lakeville	Penn. P. & L. Co.
Lancaster	Supt. Water Works.
Lansford	Lehigh Coal & Nav. Co.
Lawrenceville	C. P. Darling.
Lebanon	Lebanon Valley Gas Co.
Linesville	Robert Harvey.
Lock Haven	Joseph A. Beaver.
Lock No. 2	R. C. McCullough.
Lock No. 4	U. S. Engineer.
Lock No. 5	U. S. Engineer.
Lycippus	Westmoreland Water Co.
Marcus Hook	Sun Oil Co.
Matamoras	John Bisland
Mauch Chunk	John G. Brander.
Meadville	Paul F. Coy.
Midland	Perry P. Campbell.
Mifflintown	Andrew McNeillie.
Montrose	Paul F. Chamberlain.
Morris Run	Morris Run Mining Co.
Mt. Lebanon	Roger H. Howell.
Mount Pocono	Paul C. Hoskinson.
Muncy Valley	H. O. Hacker.
Natrona	Bert B. Hildebrand.
Neshaminy Falls	Phila. Sub-Water Co.
New Bloomfield	J. Earl Sheaffer.
New Castle	New Castle Water Co.
Newell	General Chemical Co.
New Park	C. J. Allen.
Newport	Adam R. Boetill.
Palmerton	New Jersey Zinc Co.
Parkers Landing	Henry Turk.
Paupack	Penn. Power & Light Co.
Penn Line	Retta Crumb.
Philadelphia	U. S. Weather Bureau.
Philadelphia Navy Yard	Commandant, Navy Yard.
Phila- Point Breeze	Atlantic Refining Co.
Phoenixville	Phila. Sub- Water Co.
Pine Grove	East Penn Electric Co.
Pittsburgh	U. S. Weather Bureau.
Pleasant Mount	F. K. Riedel.
Pottstown	Daily Mercury.
Pottsville	Pottsville Water Co.
Quakertown	John E. Benner.
Reading	U. S. Weather Bureau.
Renovo	J. H. Baird.
Retreat	Theo. J. Sampson.
Ridgway	West Penn. Power Co.
Salisbury (near)	J. D. Beachy.
Saltsburg	Walter B. Sullivan.
Scranton	U. S. Weather Bureau.
Selinsgrove	Dr. George E. Fisher.
Sharon	H. H. Gerber.
Shawmont	Winfield S. Guiles.
Shippensburg	Keith B. Allen.
Somerset	D. L. Grove.
Springdale	U. S. Engineer.
State College	C. A. Kern.
Stroudsburg	State Teachers College.
Sunbury	Earl E. Stahl.
Susquehanna	Raymond J. Holleran.
Towanda	Mrs. M. Ordelia Parks.
Uniontown	Wm. W. Marsteller.
Unity Reservoir	Westmoreland Water Co.
Vandergrift	Carnegie-Ill. Steel Corp.
Warren	Mrs. Anna Simpson.
Waynesburg	Thomas S. Knox.
Weikert	David Libby.
Wellsboro	George W. Hill.
West Chester	Harlan Saylor.
Westford	C. C. Collins.
Westgrove	Conard-Pyle Co.
West Newton	A. B. Adams.
Wilkes-Barre	Milton Wentz.
Williamsport	Mrs. Ralph F. Keller.
Williamstown	Susq. Collieries Co.
York	C. L. Bott.
York Haven	York Haven Water Co
Zionsville	J. H. Weinberger.

WEATHER BUREAU AND COOPERATIVE STATIONS, 1937



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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. JANUARY, 1938 No. 1.

GENERAL SUMMARY.

January, as a whole, was moderately warm and dry. The small temperature excess was due to mild periods that centered about the 6th, 25th, and 30th, when plus departures of ten to fifteen degrees were quite general. High temperatures for the month were recorded at fully three-fourths of the stations on the 25th. Cold periods were of short duration. Lowest temperatures in the central and eastern portions of the State were recorded at most stations on the 19th, while in the Ohio Basin they occurred on the 9th, 26th, or 28th. With no protracted cold, frost did not penetrate the soil deeply, although fields were generally bare of snow-cover the greater portion of the month. Precipitation averaged about three-fourths of the January normal. The snowfall averaged just one-half of the normal, with the distribution quite uniform at that rate in all parts of the State. About three-fourths of the snowfall occurred during the second week, while mild temperatures and moderate rains about the middle of the third week removed most of the snow-cover. The snow did not drift badly excepting a few small regions, and with less glaze than is usual for January, the improved highways were in good condition most of the time, and there was little delay in traffic. With little frost in the ground, the unimproved roads were generally soft and muddy. There were more than the usual number of days with precipitation, and the frequency of occurrence had a tendency to slow up outdoor work of all kinds. Farmers did little or no field work. The snowfall, mild temperatures, and rains were coordinated in such a manner that no freshets occurred in the streams. Highest stages occurred generally from the 26th to 28th, and none was near the flood stage. A rather intense storm passed over the State on the 24th and 25th. The precipitation was moderate in most regions, but at Philadelphia the highest wind velocity of record for January was attained. At the end of the month the winter grains were mostly in fair condition. Early sown fields were generally best, while some late sown grain did not get well established before the ground froze, and such fields were more or less spotted. The winter, as a whole, up to the end of January was favorable in most regions. The ground water was ample, and there was little heaving of the soil by frost.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 28.9°, which is 0.4° above the 51-year normal for January. The highest monthly mean was 36.0° at Marcus Hook, and the lowest 20.8° at Clearfield. The highest temperature recorded during the month was 66° at Claysville on the 24th and 25th, while the lowest was —20° at Gouldsboro on the 19th. The greatest daily range in temperature was 53° at Stroudsburg on the 20th.

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PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 170 stations, was 2.51 inches, which is 0.75 inch below the 51-year normal for January. The greatest monthly amount was 5.95 inches at Mt. Pocono, and the least was 0.87 inch at Vandergrift. The greatest amount recorded in any 24 consecutive hours was 3.20 inches at Mt. Pocono on the 24-25th.

The average snowfall for the State was 5.1 inches, which is 5.2 inches below the 51-year average. The greatest total snowfall for the month was 16.0 inches at Ebensburg, where also occurred the greatest amount for 24 consecutive hours, 8.0 inches on the 12-13th.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	23.2	61	−19	4.19	14.0	13	5	11	15
1889	29.4	68	−5	3.54	7.8	10	9	13	9
1890	37.5	77	−2	3.04	1.8	14	7	8	16
1891	30.5	64	−4	3.64	9.8	12	6	10	15
1892	26.2	66	−28	4.77	13.5	12	8	8	15
1893	19.0	57	−25	2.85	18.0	12	7	10	14
1894	32.8	65	−9	2.29	7.2	10	9	9	13
1895	24.2	58	−17	4.17	14.2	13	7	10	14
1896	27.6	60	−15	1.43	3.4	6	8	9	14
1897	25.6	74	−25	2.15	11.0	10	8	8	15
1898	30.7	67	−16	4.25	11.0	13	6	8	17
1899	26.6	66	−21	3.05	10.3	10	12	8	11
1900	29.8	63	−8	2.64	5.3	10	8	9	14
1901	29.1	59	−10	2.22	8.6	11	8	8	15
1902	25.6	58	−13	2.80	11.5	9	8	9	14
1903	26.9	68	−13	3.31	11.7	11	6	8	17
1904	20.0	66	−42	3.55	20.4	12	10	6	15
1905	23.8	69	−21	3.70	21.2	12	8	8	15
1906	35.0	85	−4	2.53	4.5	11	10	8	13
1907	30.0	75	−23	4.36	13.2	15	6	7	18
1908	28.4	59	−18	2.68	11.4	9	12	8	11
1909	31.2	72	−19	2.92	12.8	13	9	6	16
1910	27.2	56	−22	5.55	26.0	14	7	5	19
1911	31.6	70	−5	3.54	4.5	13	8	5	18
1912	18.6	57	−35	1.92	13.6	12	8	7	16
1913	36.5	65	3	4.95	4.5	16	9	6	16
1914	30.2	81	−27	3.37	11.7	11	7	7	17
1915	28.3	62	−26	5.56	14.7	13	10	6	15
1916	34.2	76	−12	2.42	1.8	12	9	8	14
1917	27.9	69	−18	3.60	4.2	13	11	8	12
1918	16.2	57	−29	3.51	25.2	12	10	8	13
1919	32.0	64	−15	2.53	6.2	8	14	8	9
1920	20.9	59	−23	2.47	10.0	10	9	8	14
1921	31.0	63	−13	2.58	4.4	10	12	7	12
1922	25.0	62	−19	2.26	16.0	8	14	7	10
1923	29.1	62	−17	4.26	17.6	14	6	6	19
1924	28.1	65	−13	4.34	3.6	8	11	8	12
1925	25.2	55	−29	3.53	29.4	10	11	7	13
1926	27.8	66	−19	2.80	10.5	11	9	9	13
1927	27.4	61	−24	2.90	5.7	13	9	6	16
1928	29.8	65	−23	2.08	6.8	9	12	8	11
1929	27.3	73	−20	3.37	7.6	12	9	9	13
1930	29.2	72	−24	2.25	8.4	12	8	8	15
1931	30.0	65	−12	1.46	4.4	7	12	9	10
1932	40.5	79	9	4.51	1.3	14	7	6	18
1933	37.0	71	−6	2.00	1.9	8	12	7	12
1934	32.2	67	−19	2.54	2.3	11	8	8	15
1935	27.5	72	−23	3.08	13.5	11	11	6	14
1936	23.6	59	−30	4.21	19.4	14	8	7	16
1937	36.7	71	5	6.36	4.3	16	5	7	19
1938	28.9	66	−20	2.51	5.1	12	8	7	16
Period	28.5	85	−42	3.26	10.3	11	9	8	14

Climatological Data for January, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	29.3	−0.5	60	24	1	19	34	3.01	−0.58	0.90	4.8	11	11	16	4	sw.	John A. Frick.
Altoona	Blair	1,615	51	26.3	−1.5	50	25	0	9	26	2.96	−0.04	0.95	6.5	13	10	7	14	w.	John J. Martin.
Ardmore	Montgomery	350	18	31.0	−1.1	58	25	8	19	31	3.33	−0.30	1.12	2.3	11	7	8	16	......	H. L. Balderston.
Arendtsville	Adams	700	16	32.6	+2.0	57	30	10	19	37	2.39	−0.61	1.20	0.9	6	18	2	11	nw.	Harold J. Miller.
Bedford	Bedford	1,060	6	30.6	....	58	25	6	9	32	2.56	....	1.68	1.0	7	7	4	20	s.	Charles C. Lee.
Bethlehem	Northampton	364	53	30.2	−0.6	58	25	0	19	29	3.05	−0.40	1.10	5.0	12	7	5	19	e.	Lehigh University.
Carlisle	Cumberland	467	72	31.4	+2.7	59	25	8	19	33	2.41	−0.77	0.76	2.0	11	12	4	15	sw.	Prof. C. E. Miller.
Center Hall	Center	1,272	42	29.4	+2.8	52	25	2	18	32	2.14	−0.35	0.78	1.7	9	12	8	11	......	Edward E. Bailey.
Chambersburg	Franklin	580	39	31.2	+1.3	58	25	12	19	30	2.06	−1.08	0.78	2.4	10	5	11	15	nw.	William B. Spear.
Clearfield	Clearfield	1,120	31	20.8	−6.5	45	1	−2	10	30	2.56	−0.95	1.10	3.2	11	4	15	12	w.	E. W. Hess.
Coatesville	Chester	380	51	30.2	−0.3	59	25	5	19	31	3.09	−0.87	1.02	2.3	10	8	2	21	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	28.2	−0.2	57	30	1	19	32	2.56	−0.85	0.57	4.1	12	11	6	14	nw	Wm. A. Rorer.
Emporium	Cameron	1,050	51	27.2	+0.9	54	30	−8	19	39	2.24	−1.42	0.68	7.2	14	5	3	23	w.	C. E. Koppenhefier
Ephrata	Lancaster	380	46	31.8	+1.2	59	25†	5	19	32	2.28	−0.79	0.69	3.2	11	10	4	17	ne.	Ira J. Keath
Freeland	Luzerne	1,970	45	23.3	−1.0	51	25	2	18†	24	3.68	+0.44	1.62	5.9	15	1	0	30	w.	Andrew B Evansha
George School	Bucks	190	32	32.4	+0.7	60	25	5	19	35	3.12	−0.63	0.71	0.7	11	15	3	13	w.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	32.6	+2.5	56	30	12	19†	31	2.18	−1.15	1.10	1.5	9	12	5	14	e.	Dr Henry Stewart
Gordon	Schuylkill	840	34	27.5	+0.3	59	25	−6	19	32	2.61	−1.16	0.85	1.7	11	12	2	17	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	21.8	−1.7	52	25	−20	19	42	2.22	−1.14	1.47	3.5	7	16	5	10	w.	Ronald H. Marshall.
Hamburg	Berks	535	45	29.9	+0.8	56	25	−2	19	24	3.04	−0.48	0.93	2.1	11	8	8	15	w.	State Sanatorium.
Hanover	York	600	34	33.4	+0.3	59	25	11	19	29	1.63	−1.52	0.47	1.0	10	12	5	14	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	31.0	+2.0	58	25	7	19	31	2.07	−1.02	0.66	2.5	11	4	8	19	w.	U.S. Weather Bureau.
Hawley	Wayne	900	20	24.0	−2.7	55	25	−19	19	42	3.08	+0.44	0.91	8.0	12	12	6	13	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	32.6	−0.5	57	25†	10	19	30	1.44	−1.72	0.44	1.5	11	11	5	15	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	51	29.0	−0.1	56	24†	5	18	39	2.41	−0.79	0.68	2.7	10	6	6	19	nw.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	26	.....	....	....	.....	.....	....	....	......	....	.....	.....	...	...	...	...	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,694	7	25.0	....	51	24	0	9	37	2.63	....	1.10	8.4	17	1	9	21	sw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	32.0	+1.7	60	25†	5	19	40	1.96	−1.23	0.49	1.5	9	14	7	10	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	41	23.5	−2.0	57	30	−19	19	40	1.98	+0.01	1.15	6.0	9	9	4	18	......	C. P. Darling.
Lebanon	Lebanon	469	54	29.6	+0.2	60	30	3^{a}	19	42^{a}	2.65	−0.69	0.90	3.3	9	15	4	12	w.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	29.6	+1.3	59	25	1	19	26	2.73	−0.41	1.20	4.2	14	4	9	18	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	12	36.0	−0.1	63	8	10	18	42	2.33	−1.38	0.74	0.5	8	15	2	14	w.	Sun Oil Co.
Mifflintown	Juniata	445	35	30.2	+1.1	56	23	5	19†	33	2.59	−0.26	0.80	3.0	10	15	5	11	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	32	21.5	−2.2	53	25	−5	19	32	5.95	+2.98	3.20	5.0	13	3	6	22	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	26	26.0	+0.4	57	25	−9	19	34	2.80	−0.34	0.92	3.5	9	9	3	19	ne.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	29.8	0.0	62	25	5	19	39	3.24	−0.12	1.05	2.8	11	13	4	14	w.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	20	27.8	−2.1	59	25	−5	19	31	3.93	+1.56	1.10	3.9	14	10	6	15	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	33.6	+1.0	58	25	11	19	26	2.32	−0.98	0.72	2.3	11	7	8	16	nw.	U. S. Weather Bureau.
Phœnixville	Chester	100	28	32.1	+0.9	60	25	4	19	37	3.25	−0.38	1.14	3.8	12	14	7	10	nw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	53	28.8	+1.9	58	25	−4	19	32	2.88	−0.94	0.91	5.9	12	8	9	14	nw.	John E. Benner.
Reading	Berks	273	68	32.2	+2.8	63	25	5	19	32	2.19	−1.38	0.46	5.3	13	3	12	16	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	5	25.8	....	47	24	−7	19	31	1.94	....	0.30	8.3	12	11	8	12	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	44	27.9	+1.3	60	25	−2	19	34	2.41	−0.62	0.75	8.4	13	1	11	19	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	28.6	−0.4	54	30†	1	19	30	1.87	−1.15	0.75	2.1	12	6	9	16	w	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	42	32.5	+0.2	58	25	9	19	28	2.73	−0.57	1.05	2.3	9	3	14	14	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	30.2	....	59	25	10	19	33	2.28	....	0.55	1.5	8	9	5	17	sw.	State Teachers College
State College	Center	1,217	54	28.0	+1.0	56	25	4	9	31	3.00	−0.08	1.13	3.3	11	3	13	15	w	C. A. Kern.
Stroudsburg	Monroe	500	24	27.8	+0.5	59	24	−13	19	53	5.10	+1.72	2.31	4.0	9	11	1	19	w.	State Teachers College
Towanda	Bradford	754	44	26.2	+0.3	59	25	−12	19	32	1.62	−0.52	0.51	4.5	14	4	7	20	e.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	25.6	+1.3	52	25	−12	19	38	2.26	−0.01	1.25	4.8	11	16	2	13	n.	George W. Hill.
West Chester	Chester	455	89	32.2	+1.5	59	25	5	19	29	3.05	−0.77	0.98	2.8	11	9	8	14	nw.	Harlan Saylor.
Williamsport	Lycoming	521	52	28.7	+0.8	58	25	−2	19	26	2.39	−0.57	0.85	2.9	12	9	3	19	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	28.8	−0.3	55	30	1	19	28	3.00	−0.06	1.30	3.5	11	7	11	13	nw.	Susquehanna Collieries Co.
York	York	400	50	32.3	+1.8	59	30	9	19	34	1.63	−1.44	0.42	1.0	12	11	6	14	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	24.8	−0.3	51	6†	−3	28	37	3.63	+0.40	0.90	7.0	15	0	11	20	......	Frank S. Fawcett.
Butler	Butler	1,077	25	28.3^{a}	−1.7	60^{a}	23	3^{a}	9	30^{a}	0.97	−2.26	0.21	13.0	7	4	14	13	nw.	William C. Faust.
Chambersville	Indiana	1,047	37	28.0	−1.5	54	6†	−10	9	32	2.53	−1.23	0.68	7.0	17	4	10	17	w.	John E. Lewis.
Clairton	Allegheny	1,020	6	29.4	....	61	24	6	9†	38	1.89	....	0.60	4.3	15	4	3	24	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	31.4	0.0	66	24†	1	9	46	2.11	−1.14	0.60	5.7	15	14	3	14	nw.	J. L. Melvin.
Corry	Erie	1,430	25	24.8	−1.0	48	1†	−6	19	41	1.92	−2.20	0.54	13.7	11	16	9	6	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	11	23.6	....	51	25†	−14	19	46	2.53	....	0.80	10.5	13	9	3	19	w.	Philip R. Shaw
Derry	Westmoreland	1,172	41	32.4	+1.6	59	25	2	9	35	3.14	−0.74	0.80	7.0	15	8	8	15	sw.	Ted R. Wineman.
Donora	Washington	762	12	33.6	−1.5	64	24	8	9	31	1.82	−0.96	0.43	1.9	12	2	7	22	sw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	27.6^{b}	+1.1	50^{c}	25	−3	9	40^{c}	3.48	−0.11	0.92	16.0	12	11	6	14	w.	D. H. Jones.
Franklin	Venango	957	64	26.0	−0.7	50	24†	0	9	38	2.29	−1.13	0.82	11.0	13	2	0	29	n.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	31.0	−0.5	57	30	4	9	34	2.48	−0.95	0.58	11.2	18	5	8	18	w.	Westmoreland Water Co.
Greenville	Mercer	950	42	27.8	+0.1	53	24	−3	28	32	1.70	−1.93	0.45	8.8	15	9	8	14	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	27.8	+0.1	53	24	1	9	29	1.99	−1.22	0.80	6.8	17	4	12	15	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	14	30.3	−0.2	55	24†	3	9	32	2.07	−0.87	0.58	6.0	15	16	6	9	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	31.2	+0.8	56	25†	3	9	33	2.67	−1.65	0.65	8.3	19	6	9	16	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	6	24.0	....	48	25	−7	9	31	2.22	....	0.62	15.0	15	10	1	20	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	46	30.5	−0.1	57	30	3	9	32	3.29	−0.84	0.78	8.0	15	3	6	22	sw.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	24.0	−1.6	51	24	−3	27†	28	1.34	−2.00	0.30	9.8	16	5	8	18	sw.	Paul F. Coy
Midland	Beaver	691	1	31.0	....	60	24	4	9	38	2.40	....	0.70	10.4	19	4	7	20	sw.	Perry P. Campbell
New Castle	Lawrence	808	58	28.0	−0.1	56	25	3	28	27	1.98	−1.22	0.58	8.5	18	3	10	18	s.	New Castle Water Co.
Newell	Fayette	800	18	32.2	−1.0	62	25	8	26	30	2.26	−0.71	0.60	3.0	12	9	13	9	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	29.6	−1.1	60	24	5	26	34	1.98	−1.07	0.58	6.7	18	2	7	22	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	24.8	−0.8	53	25	−5	9†	38	2.40	+0.75	0.65	8.1	16	4	4	23	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	27.6	+0.3	54	30	0	9	38	1.95	−2.19	0.56	6.7	11	4	7	20	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	25	28.8	+0.5	54	24†	0	28	34	1.56	−1.16	0.37	4.7	14	5	5	21	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	71	26.7	−0.1	55	30	−10	9	35	2.31	−2.52	0.67	10.2	16	3	9	19	sw.	D. L. Grove.
Uniontown	Fayette	1,100	50	33.4	+0.5	64	25	9	9†	40	2.09	−1.61	0.49	5.5	13	8	7	16	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	24	31.4	+0.1	59	24	7	9	36	0.87	−2.36	0.28	.....	15	15	4	12	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	25.0	−1.0	50	25	−4	19	31	2.43	−0.54	0.56	8.5	19	8	2	21	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	7	32.6	....	65	24†	3	9	44	2.55	....	0.96	3.0	8	3	12	16	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	26.8	0.0	50	24	5	18	28	1.46	−1.31	0.46	10.2	17	3	4	24	sw.	U. S. Weather Bureau.
For the State	....	....	51	28.9	+0.4	66	24†	−20	19	53	2.51	−0.75	3.20	5.1	12	8	7	16	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-3-16-38-1050.

Daily Precipitation for January, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.38	.33					.34				.06	.09	.31				T.	.03				.29			.90	.23					.06	3.01
Altoona	Juniata	.83						.13	.10			.20	.15	.05				.05				.08	.30		.12	.95		.05				.06	2.96
Ausonia‖‖	W. Br. Susq	.23	.05	.05				.28	T.	T.	T.	.08		.12		T.		.08	.01				.03			1.40	.02		T.			.32	2.62
Ardmore‡	Lower Del	.43	.03				.06	.47				.14	.10								T.	.26	.20		1.06	.23						.35	3.33
Arendtsville	Lower Susq	.58						.45				.02	.05									.09			1.20								2.39
Baker's Summit	Juniata	.53						.31				.13	.03					.05				.05	.21		.07	.95						.03	2.36
Bedford	Juniata	.25						.26	T.		T.	.10	T	T.				T.	T.			.20	.07		.12	1.56	T.			T.		T.	2.56
Bellefonte	W. Br. Susq	.49						.35			T.	T.	.10	.05			.02	T.		T.	T.	T.			.19	1.02	.01	T.	T.		.01	.01	2.25
Bethlehem	Lehigh	.48	.25					.32			.05	.07	T.	.24			T.	.01				.10	.21		.04	1.10			T.			.18	3.05
Big Knob	Middle Susq	.44	.06					.25				.03	.02	.08				T.	.06				.15	.02		.73	T.	.01		T.		.04	1.89
Bloserville‡‡	Lower Susq	.35						.35					.30						.03						.45	.42						.08	1.98
Buffalo Mills‖‖	Potomac	.10						.16				.09											.29			1.35	.01						2.00
Carlisle	Lower Susq	.55					T.	.45				.15	T	.07		T.	.02	.10				.11	.15		.39	.37		T.				.05	2.41
Center Hall	Susquehanna	.78						.22		.02			.03	.14			.12					.05			.04	.74							2.14
Chambersburg	Potomac	.39	.01					.53				.11	T.	.07			T.					.10	.05		.28	.50						.02	2.06
Clearfield	W. Br. Susq	1.10	.20		T.			.33	T.		.10	.02	.03	.05	T.		.03	T.	T.				.20		.10	.40		T					2.56
Coatesville	Lower Del	.33						.39				.09	.05	.01				.07				.40			.45	1.02						.28	3.09
Colebrook	Lower Susq	.57	.04		T			.43				.14	.08	.13			T.	.04				.28	.04		.39	.28		T.				.14	2.56
Conshohocken	Schuylkill	.16	.06					.79			T.	.14	.04	.09				.03			.01	.16	.11		.12	.26						.32	2.29
Doylestown	Lower Del	.18	.03					.58			T.	.09	T	.21		T.		T.				.18	.23		.03	1.04						.28	2.85
Du Bois	W. B. Susq	.91	T.		T.			.25	.02		.05	.08	.04	.29				.08				.03	.09		.08	.34	.02	.01			.03	.25	2.57
Emporium	W. Br. Susq	.68			T.			.23	.01		.08	.03	.12	.03			.04	.08							.06	.55	.03				.05	.25	2.24
Ephrata	Lower Susq	.38	.09					.35			T.	.09	.06	.13			T.	.03				.34	T.		.17	.52		T.				.12	2.28
Forest City	N. Br. Susq	.62	.17		T.			.52	T.			.02	.02	.09	T.	T.			.10			.15				.72	.12					.22	2.75
Fredericksville	Schuylkill	.27	.31		T.			.34		T.	T.	.71	T.	.23		T.	T.	.04				.14	.22	T.	.08	1.12						.21	3.67
Freeland‖‖	Lehigh	.73	.16		T.	T.		.35		T.	T.	.02	.02	.12	.01	T.	.02	.03	.08				.15	.04		1.62	.25		.08	T.			3.68
Galeton	N. Br. Susq	.36	T.			T.		.31	T.		.05		.08	.10		.01	.05	.08				T.	.02		.07	.98	T	T.			.02	.49	2.62
George School	Lower Del	.11	.09					.71			T.	.07	.02	.20				T.			T	.22	.25		.46	.66						.33	3.12
Gettysburg	Potomac	.33	.04					.43				.12	.03				T.	T.	T			.08	.05	T.	.36	.74						T.	2.18
Girardville‖‖	Lower Susq	.76			T.		.32				T.	.11	.17	.01		.01	.07	.03				.23			2.35	.31	T.	T.				.28	4.65
Gordon	Lower Susq	.85	.08					.36				.03	.01	.11				.01					.42		.38	.18						.18	2.61
Gouldsboro‖	Lehigh		.15					.10		T.				.10	.05				.05							1.47						.30	2.22
Graterford	Schuylkill	.17						.11				.14	.22					.12				.18	.07		.22	.81						.53	2.57
Hamburg	Schuylkill	.04	.36					.33				.03		.12			.01	.01				.17			.89	.93		T.				.15	3.04
Hanover	Lower Susq	.22	.11					.47				.06	.02						T.	T.	T.	.13	.05		.20	.32		T.				.05	1.63
Harrisburg***	Lower Susq	.54					.08	.27				.13	.08			T.	T.	.06				.22	.01	T	.47	.19	T.	T.				.02	2.07
Hawley‖‖	Upper Del	.91	.28					.32				T.	.02	.06		T.	T.	.02	.10				.23	.02		80	.20		T.		T.	.12	3.08
Hollisterville	Upper Del	1.32	.11	T.				.38					.08	.16			T.	.03	.14				.24	.01		.93	.32					.23	3.95
Holtwood‡‡	Lower Susq	.12	.13					.44				T.	.09	.06				T.	.08			T.	.12	.02		.25	.10				T.	.03	1.44
Huntingdon	Juniata	.67						.38	T.		T	.14	.05	T.			T	.04				.12	.17		.13	.68		.03	T		T.		2.41
Hyndman	Potomac																																
Kylertown	W. B. Susq	.47	T.	T	T.			.30	.03	T.	.05	.09	.08	.15	T.	.01	.01	.10				.04	.08	T.	.02	1.10	.01	T	T.		.04	.05	2.63
Lakeville‖‖	Upper Del	1.15	.20					.38	T.			.01	T	.19	T.		T.	.02	.19				.28	T.		.98	.20	T		T.		.15	3.75
Lancaster	Lower Susq	.26	.15					.42				.11	T.			T.	T.	T.				.16	.15		.12	.49						.10	1.96
Lansford‖‖	Lehigh		.98					.28				T.	.05	.17				.02	.04				.32			1.85	.19		T.			.04	3.94
Lawrenceville	N. Br. Susq	.10	T.					.25			.05		T.	.10		.08	.10	.10							T.	1.15						.05	1.98
Lebanon	Lower Susq	.55	T.		T.		.37	T.	T.		.01	.12	.11				T.	.05			T.	.38	T		.90	T.	T.					.16	2.65
Lehighton‖‖	Lehigh	.35	.38					T.				T.	.07	.48					T.				.34	T.		1.70	.03					.10	3.72
Lock Haven	W. Br. Susq	.67	T.					.34			.03	.06	.01	.02			.03	.11				.03	.05		.15	1.20					.01	.02	2.73
Marcus Hook	Lower Del		.28					.61				.04	.08			T.		.01			T.	.22				.74						.35	2.33
Matamoras‖‖	Upper Del	.75						.45						.14					.11				.24			1.36						.23	3.28
Mauch Chunk	Lehigh	1.22	.40					.40			T.	.20	.18	.18			T.	T.				.18	.22		.48	1.10			.12			.21	4 89
Mifflintown	Juniata	.58					.36		T		T.	.22	.08				.09	.03				.42	.01		*	.80							2.59
Montrose	N. Br. Susq	.75	.03		T.			.23			.02		.05	.07		.03	.02	.08				.01	.02		.06	.95	T.	T.				.28	2.60
Morris Run	N. Br. Susq	.32			T			.32		T.	.05		.05	.10		.02	.06	.16				.05			.10	.92			.03			.23	2.41
Mount Pocono	Upper Del	.35	.10	T.					T.		.15		.10	1.00		.45		.05	.05			.05	.05		.15	3.20	.25						5.95
Muncy Valley	W. Br. Susq	.91						.26	T.		T.	.03	T	.19			.04	.07				T	T		.11	.92		T.	T.			.27	2.80
Neshaminy Falls‖‖	Lower Del	.23	.02				.05	.80			T.	.06	.13	.02		T.		T.			T.	.47	T		.80	.25						.41	3.24
New Bloomfield	Juniata	.56						.45	T			.01	T				T.	T.		T.		.01		.03	.54	.58		T.				.05	2.23
New Park	Lower Susq	.27						.42				.06	.06							T.		.21			.24	.60						.08	1.94
Newport‖‖	Juniata	.75	.12					.45			.04	T.	.10			T.	T.		.10				.30	.03		1.15	.04					.08	3.16
Orwigsburg	Schuylkill	1.12			T.			.60	T.	T	T.		.33			T.	*	.02				.32				.20	T.					.31	2.90
Palmerton‡	Lehigh	.88	.02				.04	.24			.02	.01	.19		T.		T.	.01				.33	.02		1.10	.95	T.	T.	.03		T.	.09	3.93
Paupack‖‖	Upper Del	1.04	.17					.30				.02	.02	.09					.15				.38			1.20	.30					.09	3.76
Philadelphia***	Lower Del	.24	T.				.03	.69	T		T.	.19	.11	T	T.			.02		.01		.28	T.		.20	.20						.35	2.32
Phila. Navy Yard ‡	Lower Del	.26	.01				.05	.65			.01	.25	.06	.01	T.	T.		.02		T.	T.	.28	.03		.40	.34						.39	2.76
Phila-P'nt Breeze ‡	Lower Del	.22					.03	.60	T.			*	*	.13		T.		T	T.	T.		.26			.07	.61						.44	2.36
Phoenixville	Schuylkill	.18	.15					.58				.11	.11	.20				.01				.11	.29		.08	1.14						.29	3.25
Pine Grove	Lower Susq	.64					14	.24				.16	.20			T	.10	.03				.30			1.12	.60	.02					.18	3.73
Pleasant Mt. ‖‖	Upper Del		.87					.47					.14			.06		.18				.16				1.55						.37	3.80
Pottstown	Schuylkill																																
Pottsville	Schuylkill	.90	.23		T.			.30				.10	.01	.10		T	T.	.03				.04	.25		.24	1.61	T.	T.				.13	3.94
Quakertown	Lower Del	.22	.04					.47			.01	.07	T.	.28		T.		.04				.14	.29		.08	.91		T				.23	2 88
Reading***	Schuylkill	.45	.01				.11	.29	T.		.01	.10	.25	.09		T.	T	.03	T			.32			.12	.22	T.	T.				.19	2.19
Renovo‖‖	W. Br. Susq	.52	.16					.30				.08		.20				.08	.12				.09			1.20	.03					.23	3.01
Retreat	N. Br. Susq	.15					.24	.06			T.		.08	.15		T.	.05	.12				.19			.26	.30	T.	T	.05			.29	1.94
Scranton***	N. Br. Susq	.51	T.	T.	T.		.06	.20	T.		T.	.03	.08	.02	.02	T.	.02	.08	T.			.32	T	T.	.13	.62		T.	T	T.		.32	2.41
Selinsgrove	Lower Susq	.75										.11	.01	.03		.01	.04					.18	.18	.01	.14	.40						.01	1.87
Shawmont	Schuylkill	.22	.06					.51			T.	.10	T.	.22								.13	29		.15	1.05							2.73
Shippensburg	Lower Susq	.50	T.					.55				.13	T.	T.			T.	.06		T.		.18	.05	T.	.31	.50						T.	2.28
State College	W. Br. Susq	.56	T.		T.			.45	T.	T.	T.	.08	.07	.03			.06	.07				.09	.23		.23	1.13	T.	T.	T		T.	T	3.00
Stroudsburg‖‖	Upper Del		1.80					.09				.14	.15					.15				.29	.06			2.31						.11	5.10
Sunbury‖‖	Lower Susq	.91	.19					.47	.02	T.		T.	.08	.02			T.	.04	.10				.27			.46	.28	T.	T.			.10	2.94
Susquehanna‖‖	N. Br. Susq	.52	.11	T.	T.	T.		.32	02			T.		.12	.01	.02		.04	08				.12	.04		.45	.35	T.				.20	2 40
Towanda	N. Br. Susq	.51	.01	T.	T.			.18	T.	T.	.01	T.	.02	.01	T.	.04	.06	.08	T.	T.		T.	.02	T	.02	.50	T.	.02	T.	T.	T.	.14	1.62
Weikert	Lower Susq	.76						.58				.05		.05			.05	.04				.10	.15		.20	.73					.05		2.76
Wellsboro	N. Br. Susq							.38			05	T.	.06	.05		T.	.06	.07				.03	.02		.09	1.25		T.			T.	.20	2.26
Wernersville[near]	Schuylkill	.39					.35					*	.24					.05							.48	.56					.23		2.30
West Chester	Lower Del	.27						.58				.11	.03	.07		T.		.02				.20	12		.46	.98						.21	3.05
Westgrove‖‖	Lower Del	.02	.22					.52					.08	.06									.31			1.27	.25						2.73
Wilkes-Barre‖‖	N. Br. Susq	.85	.29	T.		T		.34	.02			.03	.04	.07	T.	.02		.02	.09				.10	.02		.05	.25	T.	.02			.35	2.56
Williamsport‖‖	W. Br. Susq	.66	.07					.33			T.	T.	.02	.05			T.	.04	.08				.10	.05		.85	.07					.07	2 39
Williamstown	Lower Susq	.60						.44	T.			.04	.01	.09			.05	.02				T.	.21		.11	1.30	T	T.				.13	3.00
York	Lower Susq	.23	.08					.42				.09	.02	.03				02				.14	.06		.17	.32						.05	1 68
York Haven‖‖	Lower Susq	.25	.26					.40				.03	.08	.13				T.	.04				.35			.42							1.96
Zionsville..(near)	Schuylkill	.04	.85					.07			T.	.31	.28	T.				T.				.14	.15		T.	1.51						.18	3.53
Trenton, N. J***	Lower Del	.18	.01				.10	.84			.02	.07	.15	.03	.01	T.		.01			T.	.52	.01		.21	.33		T.	T			.34	2.83

Continued on page 4.

Daily Precipitation for January, 1938—Continued from page 3

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	.25	....	T.	.02	....	....	.04	T.	.01	.06	.08	.02	.18	T.	T.	T.	T.	.01	....	....	T.	.21	....	....	.65	.03	.20	.04	T.	T.	.41	2.21
Blairsville	Allegheny	T	....	....	.17	T.	....	.12	T.	.08	T.	.17	T.	.14	T.	.03	T.	....	.02	....	....	....	.67	....	T.	T.	.17	.15	.07	T.	....	.11	1.90
Bradford	Allegheny	.49	T.	....	T.	T.	....	T.	T.	....	.06	....	.08	.15	....	....	.08	T.	....	....	....	....	....	....	.08	.31	T.	....	....	....	.06	.23	1.54
Brookville‖‖	Allegheny	.90	....	....	.03	....	....	.15	T.	.02	.08	.20	.02	.40	.03	T.	....	T.	....	....	....	....	.13	T.	....	.50	.07	.06	....	....	.52	.52	3.63
Butler	Ohio	....	T.	....	.03	....	....	T.	....		.10	.15	....	.21	....	....	....	....	....	....	....	.18	....	....	....	....	....	....	.20	....	.10	....	0.97
Chambersville	Allegheny	.68	....	....	.01	....	....	.21	.02	.06	.09	.10	.05	.24	....	T.	....	....	....	....	....	.12	.19	....	.02	.41	.06	.02	....	....	.04	.21	2.53
Clairton‡	Monongahela	T.	....	....	T.	....	.02	.14	.05	....	.10	.08	.05	T.	....	.02	....	.02	....	....	....	.46	....	....	.00	.12	.01	.05	....	....	.05	.12	1.89
Clarion	Allegheny	.59	.08	....	.03	T.	....	.10	....	.01	.04	.16	.08	.38	.07	....	....	....	.06	....	....	....	.13	....	....	.68	....	....	....	....	.07	.35	2.83
Claysville	Ohio	.38	....	....	T.	....	....	.15	.01	....	.13	.06	T.	.04	....	.01	....	....	....	....	....	.14	.26	....	T.	.60	.05	.01	.01	T.	.01	.34	2.18
Confluence‖‖	Youghiogheny	.45	T.	....	T.	....	....	.19	T.	.02	....	.12	.05	.10	.03	.04	....	....	....	....	....	....	.62	T.	....	.30	.07	.03	....	....	....	.08	2.10
Connellsville	Monongahela	.52	....	....	T.	....	....	.27	.01	.03	....	.15	T.	.11	T.	.03	....	T.	....	T.	....	.01	.58	T.	....	.32	.01	.01	T.	....	....	.20	2.25
Corry	Allegheny	.36	T.	....	.06	....	....	T.	.07	....	.05	....	.08	.31	....	....	.09	.08	....	....	....	....	....	....	T.	.54	T	T	T.	....	.12	.16	1.92
Coudersport	Allegheny	.30	T.	....	T.	T.	....	.06	.11	....	.04	T.	.43	.18	....	T.	.04	.03	....	....	....	T.	T.	....	.13	.80	T	.01	....	....	.03	.37	2.53
Derry	Conemaugh	.80	....	....	.02	....	....	.15	.20	T.	.25	.13	.03	.17	....	....	T.	.06	....	....	....	.26	.27	....	....	.40	T.	.04	.05	....	....	.31	3.14
Donora‖‖	Monongahela	.14	....	....	T.	....	....	.18	.02	....	.06	.06	.03	....	....	.01	....	T.	T.	....	....	.40	....	....	.43	.31	T.	T.	T	....	.04	.14	1.82
Ebensburg	Conemaugh	.92	.14	....	T.	....	....	.24	.01	.02	....	T.	.01	.55	.02	....	....	....	....	....	....	....	.70	....	....	.48	.29	.10	T.	....	....	....	3.48
Franklin‖‖	Allegheny	.52	T.	....	.03	....	....	.02	T.	T.	.07	.16	....	.21	.03	....	....	....	....	....	....	....	.02	....	....	.82	.26	.03	T	....	.08	.04	2.29
Greensboro‖‖	Monongahela	.41	.08	....	T.	.01	....	.25	....	T.	....	.14	.05	.05	.02	.03	T.	....	....	....	....	T.	.26	....	....	.34	.04	T.	T.	....	T.	.21	1.87
Greensburg	Youghiogheny	.58	....	....	.01	....	....	.27	.06	.01	.15	.17	.04	.18	T.	.03	....	.03	T.	....	....	.22	.22	....	T.	.35	.01	T.	.06	T.	.03	.06	2.48
Greenville	Beaver	.31	T	T.	.02	....	....	T.	T.	.02	.17	.02	.09	.20	....	.02	....	....	....	....	....	T.	T.	....	.02	.45	.05	.01	.02	....	.02	.30	1.70
Grove City	Beaver	.22	T.	....	.05	....	....	.03	.10	....	.10	.03	.02	.16	....	.02	....	.01	....	....	....	....	.10	....	T.	.80	.02	.05	.02	....	.24	.02	1.99
Herrs Isl. Dam‖‖	Ohio	.27	....	....	....	....	T	.19	.02	T.	.03	.17	T	.06	T	T	T.	....	....	....	....	.46	....	....	....	.71	.01	....	.06	T.	....	.27	2.25
Irwin	Monongahela	.45	....	....	.01	....	....	.05	.02	....	.11	.10	.04	.05	....	T	....	.05	....			.20	.20	....	....	.58	T.	T.	.02	T.	.01	.18	2.07
Johnstown	Conemaugh	.65	T.	....	....	....		.25	.11	.01	.02	.09	.10	.14	....	.01	....	.08	T.	....	....	.42	.15	....	.02	.39	.06	.04	.07	T.	.02	.04	2.67
Kane (near) ‡‡	Allegheny	.62	T.	.05	T.	T	....	.05	.04	....	.06	.02	.18	.10	....	T	.04	.10	....	....	....	T.	....	....	.14	.32	.05	.10	....	....	T.	.35	2.22
Kregar‖‖	Youghiogheny	.11	T.	T.	....	....	.19	.05	.05	T.	.13	.05	.21	.05	.03	....	....	.04	T.	....	....	.75	T.	....	.28	.15	.08	.08	.02	T.	.11	T.	2.38
Lake Lynn‖‖	Monongahela	.42	.12	....	....	.01	....	.28	.02	.02	....	.12	.02	....	....	.01	.01	....	....	....	....	....	.35	.02	....	.38	.16	.02	....	....	....	.22	2.18
Linesville‖‖	Beaver	.49	....	T.	.05	....	....	....	.01	T.	.08	.03	....	.13	T	....	.05	....	....	....	....	.01	....	.01	.34	.03	.03	.02	....	.05	.31	T.	1.64
Lock No 2‖‖	Ohio	.31	....	....	T.	....	....	.15	T	....	.06	.13	.02	.02	....	....	....	T	....	....	....	....	.35	....	....	.58	.01	.02	.07	T.	....	.34	2.06
Lock No. 4‖‖	Monongahela	.30	.08	....	T.	....	....	.19	.01	T	T.	.12	.04	.09	.01	.03	....	....	T.	....	....	....	.37	....	....	.85	.05	T.	T.	T.	....	.22	2.26
Lock No. 5‡‡‖‖	Allegheny	.38	....	....	.01	....	....	.10	T.	.06	.04	.21	.10	.22	.03	T.	T.	T	.03	....	....	....	.24	....	....	.67	.05	.12	.10	....	.01	.33	2.70
Lycippus	Conemaugh	.78	....	....	T.	....	....	.32	.05	....	.19	.12	.15	.07	....	....	....	.06	....	....	....	.40	.44	....	T.	.45	.02	.05	.12	T.	T	.07	3.29
McKeesport‖‖	Monongahela	.30	....	....	T	....	....	.06	T.	T.	.05	.04	....	.02	....	T.	....	T.	....	....	....	....	.40	....	....	.60	....	T.	.08	....	....	.13	1.68
Meadville	Allegheny	.49	T.	T.	.03	T	.01	T.	.01	T.	.09	.02	.01	.01	.01	T	....	.02	.04	....	....	T	.01	....	T	.30	.02	T.	T	....	.01	.26	1.34
Midland	Ohio	.16	....	....	.02	....	....	.05	.02	....	.15	.11	.06	.04	....	.02	....	.03	....	....	....	.06	.14	....	.03	.70	.02	.04	.08	....	.06	.61	2.40
Mosgrove‖‖	Allegheny	.58	....	T.	.03	....	....	.08	....	T.	.07	.17	.07	.29	.04	T.	....	T.	.03	....	....	....	.15	....	....	.68	.17	.06	.04	....	....	....	2.46
Mount Lebanon	Ohio	.09	....	....	T	....	T.	.20	.03	....	.11	.06	T.	.06	....	.02	....	T.	....	....	....	.48	T	....	.21	.30	T.	.05	T.	T.	.07	.19	1.87
Natrona‖‖	Allegheny	.41	.01	....	T.	....	....	.15	T	.03	.02	.14	.02	.19	.07	T	....	....	.02	....	....	T.	.30	....	....	.70	T.	.06	.08	T.	T.	.32	2.52
New Castle‖‖	Beaver	.29	T.	T.	.05	....	....	.05	.02	.01	.09	.07	.02	.20	.03	.02	....	.01	....	....	....	....	.12	....	T.	.58	.04	.05	.05	....	T.	.28	1.98
Newell	Monongahela	.54	....	....	....	....	.30	.03	*	*	*	*	.25	....	....	....	.03	.05	....	....	....	.10	.36	....	....	.60	....	....	....	....	....	....	2.26
Parkers Landing‖‖	Allegheny	.48	T.	....	.08	....	....	.12	T	T.	.07	.08	T.	.25	.05	T.	T.	T.	T	....	....	....	.12	....	....	.68	.02	.07	T.	....	T	.10	2.12
Pennline‖‖‡‡	Beaver	.51	T.	....	.03	.02	....	....	.02	.01	.13	.05	....	.15	.02	.02	....	....	T	....	....	T	T.	T	....	.54	.02	.01	.04	....	.10	.25	1.92
Pittsburgh***	Ohio	.07	T.	....	T.	....	.02	.15	.05	....	.13	.10	.03	.03	....	.02	....	.01	T	....	....	.43	....	....	.48	.11	.02	.04	.08	T.	.06	.15	1.98
Punxsutawney‖‖	Allegheny	1.05	.07	....	.01	....		.19	....	.02	.03	.13	.03	.15	.03	....	....	T	.05	....	....	....	....	....	....	.32	.06	.05	.01	....	T.	.29	2.49
Ridgway	Allegheny	.65	T.	T.	.02	T	T.	.14	T.	.03	.05	.04	T.	.20	.03	.02	....	.10	.02	....	....	....	.05	....	....	.52	.03	.02	T	....	T.	.48	2.40
Salisbury (near)	Youghiogheny	.32	....	....	T.	....	....	.16	T.	....	.03	.07	.05	....	....	T.	.01	....	T.	....	....	.34	.22	....	....	.56	T.	....	.10	T	T.	.09	1.95
Saltsburg‖‖	Conemaugh	.53	T.	....	T.	....	....	.25	.01	.03	.02	.09	T.	.19	.03	T.	....	.01	T.	....	....	....	.48	T	....	.47	.08	.10	.10	T	T.	.19	2.58
Sharon‖‖	Beaver	.30	....	....	.05	....	....	....	.02	....	.10	.04	....	.14	.01	....	.06	....	....	....	....	....	.06	....	....	.37	.06	.07	.05	....	....	.23	1.56
Smethport‖‖	Allegheny	.53	.02	T.	T.	T	T.	....	....	....	T.	T.	.05	.41	.05	.05	.10	.10	T.	....	....	....	T.	....	T.	.46	T.	....	....	T.	....	.36	2.13
Somerset	Youghiogheny	.67	....	....	T.	....	....	.18	.04	T.	.03	.11	.03	.19	T.	.02	....	.01	....	....	....	.31	.20	....	....	.35	.03	.05	.03	....	....	.06	2.31
Springdale‖‖‡‡	Allegheny	.46	.02	....	.01	....	....	.21	T.	.02	.04	.21	.05	.10	....	.02	....	....	....	....	....	....	.59	....	....	.70	.03	.07	.07	....	....	.19	2.59
Uniontown	Monongahela	.49	....	....	.01	....	....	.30	T.	....	.10	.12	.02	.07	....	.02	....	....	....	....	....	.27	.14	....	T	.27	T.	.03	T.	....	....	.25	2.09
Unity Reservoir‡‡	Youghiogheny	.57	....	....	.02	....	....	.27	.05	.01	.08	.15	.04	.04	....	.01	....	.04	T.	....	....	.30	.30	....	T.	.36	T.	.05	.05	....	T	.44	2.78
Vandergrift‡	Conemaugh	.07	....	....	T.	....	....	T.	....	.01	.05	.07	.05	.05	....	....	....	.01	....	....	....	.02	....	....	.28	.02	.08	.06	.01	....	.08	.01	0.87
Warren	Allegheny	.56	.02	....	.04	....	....	.02	....	.05	.10	....	.20	.15	.05	....	.06	.04	.04	....	....	....	.05	....	.10	.40	.03	.10	....	....	.20	.22	2.43
Waynesburg	Monongahela	.53	....	....	....	....	....	.20	....	....	.10	.32	....	.10	....	....	....	....	....	....	....	.20	.14	....	....	.96	T.	T.	....	....	....	T.	2.55
Westford‖‖	Beaver	....	....	....	T.	....	....	....	....	....	.18	.26	....	.32	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	.08	.15	.20	....	1.49
West Newton‖‖	Youghiogheny	.25	.07	....	T.	....	....	.20	T.	.01	.01	.10	.03	.04	T.	.02	T.	....	.01	....	....	....	.42	....	....	.47	.03	....	.01	....	....	.16	1.83
Lake Drainage.																																	
Erie***	Lake Erie	.08	T.	....	.02	.02	....	.01	.45	.02	.03	T.	.02	.10	T.	T.	.04	.09	....	....	....	T.	T.	....	.25	.08	.02	.03	T.	T.	.18	.02	1.46

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville: of Springdale, Cheswick, (P. O. Barking, Pa.): of Pennline, Linesville: of Unity Reservoir, Greensburg: of Girardville, Shenandoah: of Kane, Wilcox: of Lock No. 5, Schenley. ‡ Mdt. to mdt.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.01	30.62	31	29.19	24	14.1	52	se.	24	79	71	75	24
Harrisburg	30.06	30.52	31	29.12	25	7.9	32	sw.	26	73	62	61	34
Philadelphia	30.08	30.48	31	29.26	25	12.3	49	s.	25	74	67	67	38
Pittsburgh	30.01	30.61	31	29.22	25	11.1	36	se	24	82	71	74	31
Reading	30.06	30.51	31	29.15	25	10.6	45	sw.	25	75	61	62	40
Scranton	30.05	30.48	31	29.08	25	6.5	34	se.	24	71	60	70	40

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.6	10.3	26	2.3	24	18
Easton	Delaware	4.0	14.3	26	1.9	18	22
Lehighton	Lehigh	4.0	7.0	26	3.1	20	9
Wilkes-Barre	Susquehanna	5.1	14.6	27	2.6	21	20
Williamsport	Susquehanna	4.2	9.4	26	1.4	20	20
Harrisburg	Susquehanna	5.4	8.4	28	4.3	18	18
Greensboro	Monongahela	12.6	17.7	25	11.0	15	30
West Newton	Youghiogheny	1.9	5.0	30	0.6	17	20
Lock No. 4	Monongahela	13.5	19.0	26	11.4	16	30
Pittsburgh	Ohio	....	16.4*	26	11.1*	10	25
Midland	Ohio	....	19.7*	26	12.2*	6	30

* Pool stage.

Daily Temperatures for January, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	36	34	34	32	39	47	43	25	20	24	27	30	29	29	25	33	32	30	20	38	31	36	36	43	50	24	14	14	38	48	40	32.3
	Minimum	34	26	24	22	28	24	25	20	0	10	23	26	25	19	15	19	29	10	13	13	25	29	33	29	24	7	10	3	12	30	23	20.3
Bedford	Maximum	45	41	39	37	46	51	45	33	27	33	33	33	35	34	32	37	36	35	24	41	40	39	49	44	58	29	19	21	44	57	54	38.4
	Minimum	40	29	26	22	30	19	32	22	6	13	26	27	27	20	17	18	31	17	17	13	26	32	35	28	29	11	12	13	13	26	27	22.7
Bethlehem	Maximum	36	36	39	36	44	51	48	44	30	26	26	29	38	37	32	32	31	28	16	40	34	32	47	46	58	41	23	22	33	54	54	36.9
	Minimum	26	27	28	24	29	25	38	29	16	17	22	23	27	26	23	24	28	7	0	16	21	28	32	30	40	20	14	14	16	25	31	23.4
Brookville	Maximum	43	34	36	34	39	51	35	23	22	29	34	35	29	33	28	35	35	26	26	35	36	40	44	51	41	27	19	20	29	49	39	34.1
	Minimum	32	28	25	19	28	14	14	21	−2	3	20	21	26	7	14	12	26	5	0	−1	2	26	32	24	24	7	7	−3	4	20	26	15.5
Butler	Maximum	45	45	37	36	38	48	48	26	23	30	36	38	37	32	32	35	37	36	38	37	38	37	60	55	30	30	17	20	36	36	....	36.4[a]
	Minimum	32	20	24	24	27	18	26	22	3	14	28	28	26	11	20	15	32	14	10	11	26	34	37	42	6	6	10	9	14	18	....	20.2[a]
Carlisle	Maximum	40	44	41	41	48	52	50	43	30	30	30	32	40	33	35	33	34	32	21	40	36	38	53	46	59	36	28	27	41	58	54	39.6
	Minimum	32	30	27	25	21	20	38	28	13	12	25	28	28	24	22	23	31	15	8	11	21	31	30	26	35	18	16	11	16	25	30	23.3
Chambersburg	Maximum	43	46	42	42	49	53	46	35	31	29	31	33	35	33	35	35	35	33	19	34	33	41	54	49	58	35	25	26	39	54	52	38.9
	Minimum	34	27	26	23	30	23	30	25	14	15	25	25	30	23	21	23	30	18	12	15	25	29	32	29	33	15	15	13	17	24	29	23.6
Chambersville	Maximum	51	41	36	34	40	54	45	28	22	30	34	37	37	33	35	38	40	37	30	39	38	41	45	50	54	26	18	18	39	51	45	37.6
	Minimum	38	27	25	20	24	24	25	9	−10	4	26	23	24	9	17	13	29	9	10	8	23	31	31	27	22	5	8	5	9	34	22	18.4
Claysville	Maximum	51	40	40	37	44	54	48	27	29	32	39	39	36	36	34	45	43	33	35	43	47	47	51	66	66	21	18	19	43	55	50	40.9
	Minimum	37	28	15	24	27	29	23	20	1	14	27	28	23	13	22	22	31	18	18	14	31	33	31	33	20	5	8	10	12	39	23	21.9
Clearfield	Maximum	45	41	38	41	40	38	31	35	30	27	32	31	31	28	31	29	29	26	26	27	21	28	25	25	28	25	18	20	27	30	28	30.0
	Minimum	30	27	24	28	22	12	15	20	0	−2	21	20	10	12	8	8	10	4	3	6	4	16	10	10	5	4	3	2	8	12	10	11.7
Coatesville	Maximum	40	44	40	30	47	52	46	45	29	33	30	31	37	37	33	32	33	30	22	40	33	38	47	49	59	34	26	26	36	53	50	38.1
	Minimum	31	27	24	21	27	23	38	26	16	13	24	23	23	24	20	18	26	12	5	18	21	31	30	25	34	20	15	13	14	22	29	22.4
Corry	Maximum	48	35	35	30	30	47	40	24	25	26	36	35	29	35	32	37	37	27	35	37	42	39	46	45	48	22	20	19	33	48	47	35.1
	Minimum	30	21	20	20	14	11	20	10	1	10	17	25	23	17	14	15	11	0	−6	−2	14	29	29	28	19	4	8	−5	10	30	13	14.5
Emporium	Maximum	44	41	38	37	34	50	45	30	23	26	33	32	35	33	33	38	32	27	27	34	38	41	53	48	52	29	19	22	33	54	49	35.5
	Minimum	35	32	25	19	28	14	30	15	−2	11	22	26	27	20	17	18	21	−5	−8	−5	10	32	33	28	29	8	10	1	14	33	23	17.9
Erie*	Maximum	39	32	35	34	30	47	43	22	21	25	36	38	31	31	27	37	33	21	30	37	38	39	43	50	41	17	17	18	45	50	28	33.4
	Minimum	32	25	24	24	23	21	22	11	10	18	19	28	25	24	19	25	11	5	13	16	29	31	31	41	13	8	12	8	18	28	14	20.3
Franklin‡	Maximum	40	30	36	34	35	47	37	21	22	29	35	37	29	36	27	38	35	29	30	34	36	39	47	50	44	34	20	20	45	50	27	34.5
	Minimum	30	28	24	25	24	16	18	17	0	3	18	26	25	15	16	18	25	9	4	5	7	24	32	29	33	5	7	4	7	20	25	17.4
Freeland	Maximum	29	32	30	29	30	38	36	34	22	20	22	24	26	25	22	25	26	23	13	30	27	29	38	39	51	27	15	14	24	44	45	28.7
	Minimum	25	25	21	21	24	28	30	20	7	13	16	20	22	20	13	9	23	2	2	10	24	25	29	27	27	10	6	3	9	23	22	17.9
Gettysburg	Maximum	43	48	41	42	49	53	50	45	32	30	31	33	37	35	34	34	34	34	23	43	38	39	52	47	49	38	25	27	39	55	55	39.9
	Minimum	36	29	26	24	32	34	38	28	15	16	26	26	30	22	23	23	31	19	12	17	27	31	29	29	37	18	16	12	16	25	32	25.2
Greensburg	Maximum	52	38	38	34	42	55	47	26	25	32	34	38	34	33	32	40	37	33	31	39	38	40	50	56	56	22	17	18	42	57	52	38.3
	Minimum	38	29	27	26	28	31	26	22	4	12	28	26	25	19	23	18	33	18	19	18	31	34	35	35	22	8	11	12	13	37	23	23.5
Grove City	Maximum	49	35	35	32	41	47	47	27	23	31	37	37	33	37	32	36	35	31	27	39	38	39	42	53	35	22	19	22	37	47	47	35.9
	Minimum	33	23	26	23	25	24	23	13	1	15	25	22	24	16	17	17	29	9	9	11	27	31	38	33	21	3	7	3	12	34	18	19.7
Hamburg	Maximum	34	38	38	36	40	44	45	43	30	25	26	32	36	36	30	32	30	28	16	36	32	32	46	46	55	39	28	25	35	50	48	35.9
	Minimum	28	34	28	29	31	26	42	30	14	14	24	24	29	30	22	19	28	14	−2	14	20	28	30	30	37	20	14	12	13	26	32	23.9
Harrisburg*	Maximum	33	42	38	41	47	52	48	34	27	29	28	31	37	33	31	34	34	23	19	38	34	39	50	57	58	27	23	24	40	57	52	37.5
	Minimum	32	29	29	28	31	29	32	23	15	19	25	25	30	27	25	25	22	11	7	19	26	32	32	32	27	18	17	15	18	28	25	24.4
Hawley	Maximum	28	37	33	34	36	47	41	35	27	26	25	29	33	30	27	29	29	25	23	37	25	33	43	39	55	37	21	20	27	51	47	33.2
	Minimum	18	19	23	6	18	15	32	24	8	7	17	20	17	19	13	4	24	3	−19	7	5	23	29	13	35	15	10	2	6	22	25	14.9
Holtwood*	Maximum	43	45	40	42	48	46	48	34	30	36	32	34	38	36	34	37	35	32	23	37	34	39	49	55	57	32	25	27	35	57	47	39.1
	Minimum	35	31	28	28	30	28	34	28	20	20	29	28	33	27	25	23	32	14	10	22	25	33	30	28	32	20	19	18	19	27	29	25.0
Huntingdon	Maximum	41	38	40	39	47	53	45	31	28	27	33	33	35	34	31	36	34	33	21	37	32	41	51	56	55	22	22	24	44	55	49	37.7
	Minimum	35	26	28	20	25	17	30	21	11	11	25	28	30	21	15	17	30	5	8	13	13	31	28	25	21	14	15	10	17	17	25	20.4
Johnstown	Maximum	51	39	43	36	43	53	45	27	28	33	35	37	35	36	35	41	40	35	29	40	38	42	52	47	56	25	20	20	44	56	43	38.9
	Minimum	38	29	27	27	30	24	26	20	3	10	30	30	26	21	21	19	34	20	19	21	31	36	36	31	23	9	11	13	13	29	26	23.6
Lancaster	Maximum	42	47	40	40	48	53	50	46	42	33	34	32	38	35	35	38	37	35	23	41	36	40	50	49	60	53	35	29	39	60	55	41.8
	Minimum	34	30	24	19	24	19	37	27	13	13	25	25	25	23	15	16	30	19	5	14	18	30	20	23	39	20	14	11	12	20	31	22.1
Lawrenceville	Maximum	40	37	31	31	37	49	44	36	22	25	34	31	33	32	28	30	30	14	20	35	29	36	47	44	54	34	17	18	27	57	53	34.0
	Minimum	28	28	22	21	26	18	30	21	7	12	17	22	19	23	15	10	14	−9	−19	−5	5	27	31	21	32	12	12	3	12	25	23	13.0
Lebanon‡	Maximum	38	43	40	40	47	53	48	35	29	29	27	33	37	34	32	33	36	23	20	39	33	39	51	58	60	36	23	25	38	60	49	38.0
	Minimum	....	30	28	24	27	24	30	28	14	14	22	24	22	22	17	19	24	15	3	5	18	28	30	29	36	19	11	11	13	18	29	21.2[a]
Lock Haven	Maximum	41	38	35	37	43	48	48	42	30	25	30	33	35	34	33	30	33	30	20	33	32	41	45	45	59	39	24	25	30	45	44	36.4
	Minimum	35	28	28	23	30	22	36	27	11	15	23	28	30	25	22	21	28	5	1	10	17	31	34	27	37	15	14	8	17	23	31	22.7
Marcus Hook*	Maximum	44	45	42	49	54	53	50	53	36	36	35	40	40	37	40	38	36	27	42	42	42	50	53	58	49	29	34	40	55	54	37	43.5
	Minimum	35	30	30	33	32	41	32	21	21	29	27	33	30	28	23	34	20	10	24	29	34	35	33	45	25	19	17	21	33	35	22	28.5
Meadville	Maximum	41	27	34	32	32	48	27	20	20	31	35	31	29	38	27	32	31	25	27	34	39	38	45	51	32	15	18	22	43	50	25	32.3
	Minimum	25	24	24	23	15	20	15	−1	2	19	28	26	18	18	14	26	7	6	4	7	31	31	31	31	5	5	−3	−3	21	23	−2	15.8
Montrose	Maximum	29	31	28	33	30	41	39	36	23	21	26	29	27	26	23	24	28	22	18	31	31	33	40	39	53	34	18	16	23	49	45	30.5
	Minimum	23	25	19	18	22	24	32	19	5	10	11	21	23	20	7	5	21	−5	−3	8	18	25	30	27	33	9	7	0	7	21	19	15.2
Mount Pocono	Maximum	25	31	27	30	32	40	38	37	27	21	22	27	29	28	25	28	25	19	20	26	31	31	39	35	53	25	25	25	15	15	16	27.8
	Minimum	23	24	15	15	20	21	31	15	5	15	15	21	25	18	8	6	15	−1	−5	13	20	25	29	25	21	17	10	8	5	5	5	15.2
Philadelphia*	Maximum	43	43	41	42	47	57	61	36	30	33	30	37	40	36	34	36	37	27	28	43	38	37	50	56	58	34	26	28	36	55	55	40.2
	Minimum	32	33	29	28	31	33	36	29	21	23	28	27	32	30	22	20	27	13	11	24	30	34	34	34	34	20	19	18	20	33	29	25.9
Pittsburgh*	Maximum	48	34	37	35	42	52	38	24	26	30	36	38	29	38	29	40	38	28	31	38	40	41	52	60	46	13	18	17	42	54	44	35.7
	Minimum	34	28	26	28	28	30	24	10	6	21	28	27	22	20	21	22	27	17	17	18	33	33	34	39	12	5	9	9	17	41	16	22.6
Quakertown	Maximum	35	40	38	37	44	49	47	41	31	27	27	29	37	35	31	35	34	27	19	37	33	35	44	46	58	42	24	24	35	52	50	36.9
	Minimum	30	26	27	19	25	19	36	28	15	12	22	23	25	19	15	13	25	8	−4	17	11	29	30	21	40	20	14	10	13	20	31	20.6
Reading*	Maximum	39	42	41	41	49	55	49	34	29	31	30	32	38	37	33	37	36	29	23	37	35	39	49	58	63	31	25	25	41	58	56	39.4
	Minimum	32	29	28	29	35	28	32	23	17	19	26	25	28	28	23	22	29	9	5	18	25	33	34	35	31	21	17	15	18	31	27	24.9
Ridgway‡	Maximum	46	46	32	36	34	34	51	37	23	26	29	33	35	30	32	28	35	31	23	25	35	36	41	45	53	36	15	20	30	45	50	34.6
	Minimum	31	29	23	20	27	13	13	16	−5	−5	12	24	26	15	14	17	25	−1	−2	−4	0	24	32	24	34	7	7	−1	7	20	26	15.1
Scranton*	Maximum	33	36	32	36	38	50	44	33	26	27	30	32	35	31	26	31	32	18	24	34	36	36	43	55	60	26	21	20	34	55	52	35.0
	Minimum	27	29	22	21	31	26	33	20	14	17	22	28	29	26	14	12	15	7	−2	18	16	30	29	28	26	15	13	9	16	30	23	20.8
Selinsgrove	Maximum	36	37	37	37	42	45	45	42	28	28	31	33	34	34	29	32	33	32	22	34	31	38	50	48	52	36	23	20	37	54	54	36.6
	Minimum	34	30	26	24	27	20	36	26	12	14	25	26	25	21	21	15	17	9	1	8	16	16	32	25	32	16	13	9	14	24	29	20.7
Somerset	Maximum	46	36	40	30	39	48	44	25	25	30	32	37	36	33	26	40	40	32	26	40	38	38	51	42	54	23	13	17	37	55	52	35.3
	Minimum	35	25	18	20	25	16	22	16	−10	3	25	19	20	8	1	16	30	16	15	17	25	33	31	25	19	4	5	6	6	21	19	17.1
State College	Maximum	40	48	35	36	42	48	38	31	21	26	32	32	33	33	36	33	34	25	21	32	32	39	46	48	56	37	20	21	38	53	51	36.1
	Minimum	31	29	25	27	27	26	30	21	4	12	21	22	27	19	20	22	20	5	8	9	11	30	31	29	25	10	9	7	11	27	21	19.9
Stroudsburg‡	Maximum	32	39	33	36	41	48	50	40	31	25	26	39	38	36	28	32	33	33	20	42	32	45	53	59	58	58	25	29	32	47	52	38.5
	Minimum	29	29	25	16	22	18	22	29	13	15	18	22	21	20	18	15	30	6	−13	−11	11	17	26	19	22	17	14	10	11	20	20	17.2
Towanda	Maximum	38	35	33	39	37	50	46	34	25	25	30	33	35	30	27	31	31	17	20	32	32	36	48	51	59	30	22	24	28	55	51	35.0
	Minimum	31	29	24	23	30	20	33	18	10	14	17	26	25	17	12	10	15	−1	−12	1	8	29	25	24	29	14	14	5	5	28	19	17.5
Uniontown	Maximum	55	38	42	41	46	57	48	27	29	33	37	43	36	34	34	46	44	37	35	45	48	49	54	58	64	24	19	22	45	59	55	42.1
	Minimum	38	30	20	26	28	26	27	23	9	15	30	28	27	14	25	22	36	23	24	23	32	38	35	36	24	9	10	11	12	38	26	24.7
Vandergrift*	Maximum	55	42	42	40	46	54	43	32	27	34	40	41	37	37	34	40	40	29	30	43	39	42	50	59	53	24	25	24	47	57	52	40.6
	Minimum	35	28	25	26	29	31	26	10	7	15	30	32	23	15	18	22	22	16	15	15	27	34	30	30	17	9	13	12	18	36	17	22.1
Warren	Maximum	40	34	27	30	29	47	45	38	21	22	32	36	32	29	32	28	18	26	24	28	36	40	44	42	50	34	18	18	26	47	40	32.7
	Minimum	34	25	23	25	22	16	30	10	0	13	22	28	28	22	12	16	0	0	−4	3	19	32	31	28	34	10	10	3	12	26	10	17.4
Waynesburg	Maximum	54	41	40	40	45	54	49	30	29	32	41	40	36	35	32	44	44	35	38	40	47	49	54	65	65	25	18	19	44	57	55	41.8
	Minimum	38	30	17	25	29	26	25	21	3	16	29	21	25	16	24	24	35	21	21	17	33	36	35	31	21	6	9	12	14	40	25	23.4
Wellsboro	Maximum	38	34	33	35	34	46	42	31	20	25	31	30	30	31	25	28	28	15	21	37	35	38	44	45	52	27	19	19	28	50	44	32.8
	Minimum	34	26	24	25	28	20	31	20	5	12	16	26	26	25	16	14	15	−1	−12	−1	12	30	32	23	27	14	12	5	14	28	20	18.3
Williamsport	Maximum	39	38	37	38	41	46	46	39	28	24	30	31	35	33	29	30	34	26	18	33	33	35	48	48	58	33	22	24	30	51	50	35.7
	Minimum	34	29	28	24	29	21	36	26	11	15	23	27	27	26	23	19	25	4	−2	7	13	32	29	25	32	14	13	9	17	29	29	21.7
Williamstown	Maximum	40	38	37	39	42	49	46	42	32	28	26	27	32	31	34	33	31	31	19	36	33	41	48	45	53	38	21	19	36	55	52	36.6
	Minimum	26	25	22	24	27	31	35	22	8	15	20	21	24	20	25	16	25	8	1	12	26	28	32	31	34	11	9	7	11	27	26	20.9
York	Maximum	42	45	40	40	47	54	48	46	32	32	34	32	39	35	33	37	34	34	21	39	34	41	49	48	57	38	25	25	40	59	55	39.9
	Minimum	35	30	27	25	28	22	39	30	18	16	28	28	29	22	18	23	32	20	9	15	23	32	30	28	38	21	16	12	13	25	32	24.7

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. [a], [b], [c], etc., indicate respectively 1, 2 or 3 days missing from record.

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CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. FEBRUARY, 1938. No. 2.

GENERAL SUMMARY.

The mean temperature for the month was almost six degrees above the February average, although daily temperatures were normal or below normal almost one-half of the time. This was due to the large plus departures on several dates, while minus departures were generally small. The lowest temperature recorded in the State was four degrees below zero. Lower temperatures have been recorded every February for the last fifty years excepting 1890. Highest temperatures for the month were recorded in the eastern portion of the State on the 18th, and in the western portion on the 13th or 14th. Lowest temperatures were generally recorded in the eastern counties on the 28th, and in the western counties on the 1st or the 28th. Precipitation for the month averaged exactly normal, and its distribution was good throughout the month. A moderate excess in a few of the northwestern counties was sufficient to balance small deficiencies in the remainder of the State. The snowfall averaged about one-third of the February normal. As usual, it was heaviest in Somerset County, and 12.0 inches was measured at Elk Lick. It was very light in the southern tier of counties from Bedford to Lancaster inclusive, with no snow-cover on the fields of that region at any time. With the exception of a few small regions, the heaviest snowfall occurred on the 20th, when amounts in excess of five inches were measured at several stations in the eastern portion of the State. Streams remained at rather low stages throughout the month, partly because the precipitation was of such a character as to make for a light run-off, and partly because the ground was free from frost so much of the time that the seepage was greater than usual. Despite the lack of snow-cover, the winter grains remained in generally fair condition throughout the month. Some fields were seeded so late last autumn they did not become well established before the ground froze, but they seemed to come through January and February without further deterioration. There was less ice on the highways than is usual during February, and traffic suffered few delays on that account, and almost no delays on account of drifting snows.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 34.1°, which is 5.8° above the 51-year normal for February. The highest monthly mean was 40.6°, at Uniontown, and the lowest was 25.2° at Mt. Pocono. Extremes of temperature ranged from a maximum of 74° at Vandergrift on the 13th, to a minimum of —4° at Kane(near) on the 1st and 28th. The greatest daily range in temperature was 52° at Lycippus on the 17th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 168 stations, was 2.85 inches, which is just normal for the month of February. The greatest monthly amount was 5.33 inches at Bradford, and the least was 0.28 inch at Hyndman. The greatest amount for any 24 consecutive hours was 1.81 inches at Erie on the 12-13th.

The average snowfall for the State was 3.9 inches, which is 6.9 inches below the 51-year average. The greatest total snowfall for the month was 12.0 inches at Elk Lick and Gordon. The greatest 24-hour snowfall was 9.0 inches at Girardville on the 20th.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	28.4	63	−31	2.50	7.2	9	7	11	11
1889	23.0	60	−27	1.96	8.7	9	7	9	12
1890	37.0	79	0	4.32	5.6	11	6	8	14
1891	34.8	70	−7	4.61	5.6	12	6	8	14
1892	31.6	62	−18	1.75	6.3	9	7	7	15
1893	27.3	60	−16	5.92	26.4	14	6	8	14
1894	27.6	64	−24	3.53	22.7	11	8	9	11
1895	20.2	60	−26	1.22	13.2	6	10	10	8
1896	29.4	65	−21	4.90	10.5	11	9	7	13
1897	30.6	67	−14	3.28	10.3	9	7	8	13
1898	29.4	72	−16	2.23	6.1	9	8	8	12
1899	22.7	67	−39	4.05	23.6	12	8	7	13
1900	27.1	81	−17	4.22	7.0	11	8	6	14
1901	21.7	57	−22	0.96	7.9	8	10	9	9
1902	23.9	64	−24	3.99	14.3	10	9	7	12
1903	30.5	68	−17	4.49	10.8	10	10	7	11
1904	21.8	68	−27	2.41	6.8	11	10	7	12
1905	20.8	59	−25	1.70	9.7	8	10	8	10
1906	28.0	79	−21	1.70	6.8	7	12	7	9
1907	22.8	56	−20	1.91	15.2	8	12	7	9
1908	24.8	64	−29	4.65	23.6	11	10	7	12
1909	35.8	73	−9	4.84	4.0	14	6	7	15
1910	26.6	65	−22	3.59	15.0	11	9	7	12
1911	31.0	66	−8	2.27	11.1	10	7	6	15
1912	23.7	69	−27	2.20	6.5	8	11	8	10
1913	27.4	67	−9	1.84	5.7	9	12	5	11
1914	21.8	65	−27	2.78	23.5	10	11	6	11
1915	33.3	73	−9	3.90	2.0	9	9	5	14
1916	25.7	67	−22	3.08	14.3	12	8	7	14
1917	25.6	68	−29	1.46	8.0	10	9	9	10
1918	28.2	69	−34	2.46	2.9	9	10	8	10
1919	32.0	66	−7	2.23	4.7	11	12	6	10
1920	25.6	62	−20	2.44	18.3	11	9	8	12
1921	32.8	76	−15	2.59	15.4	10	8	8	12
1922	33.0	74	−19	1.99	7.7	10	9	9	10
1923	24.6	58	−20	2.16	11.7	12	8	8	12
1924	26.9	70	−25	2.94	16.3	10	11	7	11
1925	35.6	71	−11	2.16	2.1	8	11	7	10
1926	28.7	65	−13	4.06	23.3	12	7	6	15
1927	35.0	69	−8	3.48	16.5	13	7	8	13
1928	30.3	65	−11	3.42	6.7	11	10	7	12
1929	28.0	69	−20	2.87	11.7	9	10	8	10
1930	35.1	80	−18	2.69	3.9	11	9	6	13
1931	31.9	66	−16	1.98	5.2	9	11	5	12
1932	35.3	83	−8	1.64	2.9	10	10	8	11
1933	31.3	68	−15	2.30	9.4	10	12	7	9
1934	18.1	59	−34	1.31	14.4	7	13	7	8
1935	28.9	66	−26	2.67	14.4	12	8	7	13
1936	21.5	69	−27	2.33	12.3	9	11	7	11
1937	31.4	77	−12	2.32	6.5	10	9	8	11
1938	34.1	74	−4	2.85	3.9	12	8	6	14
Period	28.3	83	−39	2.85	10.8	10	9	7	12

Climatological Data for February, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	32.8	+3.7	63	6	10	28	37	2.22	−1.14	0.97	0.2	12	13	12	3	ne.	John A. Frick.
Altoona	Blair	1,615	51	33.0	+5.6	62	13	5	28	32	2.38	+0.05	0.60	3.0	12	12	7	9	w.	John J. Martin.
Ardmore	Montgomery	350	18	35.2	+3.1	65	18	14	28	33	2.31	−1.19	1.65	5.0	9	6	8	14	......	H. L. Balderston.
Arendtsville	Adams	700	16	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Harold J. Miller.
Bedford	Bedford	1,060	6	36.7	......	67	13†	10	28	35	1.14	......	0.30	1.0	12	9	2	17	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	34.6	+3.5	60	6	10	28	30	2.12	−0.99	0.77	T	12	10	7	11	nw.	Lehigh University.
Carlisle	Cumberland	467	72	36.1	+6.0	67	18	12	28	36	1.94	−1.31	1.12	3.0	10	12	3	13	nw.	Prof. C. E. Miller.
Center Hall	Center	1,272	42	34.4	+6.9	64	18	5	28	28	2.26	−0.08	0.72	8.3	9	13	5	10	......	Edward E. Bailey.
Chambersburg	Franklin	580	39	36.8	+5.2	69	18	13	28	33	0.91	−1.75	0.29	0.4	11	8	7	13	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	......	......	......	......	......	......	......	3.18	+0.39	0.42	9.8	13	4	12	12	se.	E. W. Hess.
Coatesville	Chester	380	51	34.8	+4.4	64	18	14	22†	35	2.60	−1.17	0.98	2.0	9	7	2	19	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	32.0	+2.5	65	18	9	28	34	2.04	−1.37	1.15	7.0	12	9	4	15	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	32.3	+6.5	62	18	3	28	38	3.24	+1.42	0.91	4.0	13	9	3	16	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	35.7	+5.6	70	18	14	28	36	2.10	−0.85	1.29	1.9	9	8	6	14	n.	Ira J. Keath
Freeland	Luzerne	1,970	45	26.8	+2.1	58	18	0	28	31	2.40	+1.11	0.93	8.8	10	4	1	23	w.	Andrew B Evansha
George School	Bucks	190	32	36.1	+4.9	65	14†	14	21†	34	2.41	−0.65	1.12	4.5	8	11	3	14	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	37.4	+6.1	67	18	14	28	34	1.51	−1.25	1.04	T.	9	9	5	14	se.	Dr Henry Stewart
Gordon	Schuylkill	840	34	32.2	+5.1	65	18	6	21†	32	3.46	+0.19	0.92	12.0	11	12	3	13	ne.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	25.3	+2.8	56	19	−2	28	30	3.48	+0.15	1.24	8.5	10	9	10	9	w.	Ronald H. Marshall.
Hamburg	Berks	535	45	33.1	+3.8	58	14	9	28	30	1.87	+1.45	1.01	2.0	11	10	7	11	w.	State Sanatorium.
Hanover	York	600	34	38.0	+5.0	68	18	14	28	35	1.91	−0.90	1.12	1.5	11	12	2	14	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	35.0	+4.8	62	18	13	28	28	2.03	−0.93	1.16	1.7	10	7	6	15	nw.	U. S. Weather Bureau.
Hawley	Wayne	900	20	29.6	+3.9	59	18	4	28	29	1.96	−0.86	0.75	3.6	13	12	7	9	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	36.0	+3.6	67	18	16	28	31	1.66	−1.06	1.10	T	12	10	4	14	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	51	35.0	+5.6	65	6	11	28	37	1.50	−1.19	0.64	0.3	12	9	4	15	ne.	Prof. Paul R. Yoder.
Hyndman	Bedford	977	26	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Glenn R. Shaffer.
Kylertown	Clearfield	1,694	7	29.9	......	61	18	2	28	36	2.45	......	0.70	7.4	18	4	7	17	nw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	35.5	+4.7	70	18	13	16	43	2.20	−0.47	1.25	1.5	13	16	3	9	sw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	41	30.6	+5.9	57	6	−1	28	40	2.07	+0.24	0.95	5.0	8	6	5	17	......	C. P. Darling.
Lebanon	Lebanon	469	54	33.1	+3.6	64	18	12	28	40	2.35	−0.78	0.75	3.0	11	12	3	13	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	33.3	+5.0	52	10	8	28	29	2.55	+0.01	0.90	3.0	12	5	11	12	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	12	40.0	+5.6	72	18	18	27†	34	2.46	+0.05	......	4.2	9	14	2	12	sw.	Sun Oil Co.
Mifflintown	Juniata	445	35	36.3	+6.6	69	6	10	28	35	2.87	+0.42	1.00	4.5	8	11	3	14	nw.	Andrew McNeillie.
Mt. Pocono	Monroe	1,720	32	25.2	+3.7	55	13	5	4	26	3.82	+0.84	1.00	5.0	11	12	4	12	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	26	28.7	+2.9	52	18	1	28	31	3.03	+0.63	0.93	5.2	8	9	5	14	n.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	34.8	+5.2	66	18	13	22†	33	2.19	−0.77	1.03	4.7	7	12	3	13	sw.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	20	31.6	+3.0	58	18	10	28	30	2.35	−0.04	0.68	4.5	11	9	9	10	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	37.4	+3.5	65	18	15	28	31	2.54	−0.78	1.54	4.1	10	6	8	14	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	28	35.8	+3.7	66	18	14	21	36	2.70	−0.70	1.28	4.2	11	10	8	10	n.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	53	33.3	+4.6	62	18	11	28	30	2.20	−1.11	1.15	2.0	8	10	7	11	nw.	John E. Benner.
Reading	Berks	273	68	35.8	+7.0	66	18	12	28	28	1.77	−1.65	0.88	3.2	13	5	8	15	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	5	30.0	......	58	6	5	28	28	2.77	......	0.67	5.5	12	15	3	10	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	44	31.1	+3.8	58	18	7	28	32	2.82	−0.22	0.60	3.3	12	3	10	15	nw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	33.6	+5.2	60	18†	8	28	36	2.56	−0.21	0.96	4.0	13	5	6	17	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	42	37.5	+4.3	64	18	15	28	32	2.16	−1.02	0.80	5.0	14	4	12	12	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	35.6	......	65	19	12	28	32	1.05	......	0.37	T	13	9	3	16	sw.	State Teachers College
State College	Center	1,217	54	32.6	+5.8	62	18	4	28	32	2.45	−0.02	0.77	7.2	10	8	7	13	nw.	C. A. Kern.
Stroudsburg	Monroe	500	24	31.2	+4.2	58	18	10	28	39	2.00	−1.35	0.61	1.0	8	10	6	12	w.	State Teachers College
Towanda	Bradford	754	44	31.4	+6.4	59	18	5	28	32	2.11	+0.12	0.63	2.6	11	4	8	16	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	29.6	+4.7	56	6	0	28	35	2.47	+0.45	0.80	3.5	9	15	3	10	n.	George W. Hill.
West Chester	Chester	455	89	36.1	+5.0	66	18	14	28	35	2.58	−1.02	1.17	6.2	9	10	6	12	sw.	Harlan Saylor.
Williamsport	Lycoming	521	52	31.9	+4.1	51	6	6	28	30	2.85	+0.35	0.81	3.7	12	7	8	13	w	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	32.2	+2.0	62	6†	5	28	32	2.61	−0.06	1.28	7.0	9	8	8	12	sw.	Susquehanna Collieries Co
York	York	400	50	36.8	+5.7	68	18	16	28	37	1.79	−0.96	1.06	T.	10	9	7	12	n.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	31.5	+6.5	60	13	3	28	47	3.85	+1.72	1.04	4.1	15	5	7	16	......	Frank S. Fawcett.
Butler	Butler	1,077	25	35.5	+7.6	66	13†	7	28	33	2.37	−0.03	0.62	......	12	4	14	10	nw.	William C. Faust.
Chambersville	Indiana	1,047	37	35.4	+5.8	67	13	3	28	40	3.30	+0.44	0.81	3.4	16	11	1	16	sw.	John E. Lewis.
Clairton	Allegheny	1,020	6	36.3	......	67	13†	9	28	40	2.90	......	1.30	1.3	16	4	3	21	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	38.7	+7.1	68	13	4	1	39	3.53	+1.06	1.28	6.6	19	10	6	12	n.	J. L. Melvin.
Corry	Erie	1,430	25	30.6	+4.8	59	14	−1	28	38	4.39	+1.58	0.93	6.7	12	11	8	9	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	11	28.7	......	58	14	1	1	36	3.74	+1.52	1.19	2.5	12	10	0	18	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	41	39.2	+9.3	68	13	7	1	39	3.53	+0.51	0.88	1.0	13	8	7	13	sw.	Ted R. Wineman.
Donora	Washington	762	12	39.8	+5.3	69	13†	13	1	35	2.86	+0.60	0.98	0.8	13	4	5	19	nw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	33.3	+5.5	65	13†	1	28	42	3.75	+1.04	1.00	5.0	12	12	8	8	w.	D. H. Jones.
Franklin	Venango	957	64	31.3	+5.6	63	13	5	28†	39	3.66	+1.17	0.82	4.4	14	2	1	25	n.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	38.2	+6.6	68	13	10	1†	36	3.57	+0.82	1.03	4.5	19	3	9	16	sw.	Westmoreland Water Co
Greenville	Mercer	950	42	34.8	+7.8	65	13†	5	1	36	3.52	+0.95	0.58	5.7	16	5	4	19	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	34.6	+6.8	64	13†	3	28	33	2.94	+0.71	0.43	3.0	15	5	7	16	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	14	38.2	+8.0	69	13	8	1	37	3.83	+1.48	1.25	1.8	18	12	9	7	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	37.6	+7.2	69	18	9	28	37	2.69	−0.79	0.71	2.1	17	7	8	13	w.	Robert Tross.
Kane (near)‡‡	Elk	2,020	6	29.7	......	57	14	−4	1†	41	5.27	......	1.24	6.7	15	6	4	18	nw.	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	46	37.6	+7.9	67	18	8	1†	52	3.82	+0.69	0.63	5.9	16	3	9	16	sw.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	30.2	+5.9	63	13	3	1	30	3.67	+1.15	0.86	7.7	15	4	7	17	nw.	Paul F. Coy
Midland	Beaver	691	1	38.2	......	65	13	12	1	34	2.62	......	0.67	1.5	15	3	4	21	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	33.9	+5.3	69	14	6	1	33	3.01	+0.82	0.70	2.8	17	2	15	11	sw.	New Castle Water Co.
Newell	Fayette	800	18	38.6	+4.8	67	14	13	1	29	3.13	+0.91	1.00		10	10	8	10	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	36.2	+3.9	66	13	11	1†	34	2.82	+0.20	1.17	3.4	16	1	7	20	nw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	29.6	+4.3	59	14†	2	1	37	3.91	+1.54	0.87	2.3	15	5	5	18	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	33.8	+6.3	64	18	5	28	29	3.55	+0.36	0.56	12.0	18	3	9	16	w.	J. D. Beachy.
Sharon‡‡	Mercer	940	25	35.2	+6.7	65	13	6	1	32	2.08	+0.08	0.44	0.8	12	4	9	15	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	71	34.6	+7.6	62	18	5	28	38	2.70	−1.20	0.60	7.5	18	2	10	16	sw.	D. L. Grove.
Uniontown	Fayette	1,100	50	40.6	+8.0	70	13†	6	1	38	3.46	+0.59	0.58	2.5	18	4	11	13	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	24	38.4	+6.7	74	13	10	1†	42	1.94	−0.87	0.55	......	12	9	8	11	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	30.9	+6.0	58	13	0	1†	36	5.07	+2.73	1.72	3.7	15	7	1	20	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	7	40.2	......	69	13	8	1	41	4.18	......	1.45	3.0	12	1	13	14	nw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	31.5	+4.6	62	13	5	28	37	4.12	+1.54	1.81	2.0	15	2	7	19	w.	U. S. Weather Bureau.
For the State	......	......	51	34.1	+5.8	74	13	−4	1†	52	2.85	0.00	1.81	3.9	12	8	6	14	nw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of **Lycippus, Greensburg**; of **Neshaminy Falls, Oakford**; of **Sharon, Farrell**; of **Shawmont, Manayunk**; of **Kane (near), Wilcox.**

W. B. O. Philadelphia-4-18-38-1050.

Daily Precipitation for February, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh	.08	T.		.16			.40			.04		T.	.10	.01				T.	.05	.97	.17		.03	.16		T.		.05				2.22
Altoona	Juniata			.17			.40	.60			.28	.05	T.	.09					.09	.17	.31		T.	.02			.05	.15					2.38
Ansonia‖‖	W. Br. Susq	T.			.38			.41	T.	.05	.10			.59	.19				.02	.16	.38	T.		.03		T.		.02	.01				2.34
Ardmore‡	Lower Del			.02			.10	T.		.02		.03	.07							1.17	.48		.04	.38		T.		T.					2.31
Arendtsville‖‖	Lower Susq																																......
Baker's Summit	Juniata			.12			.06	.38				.14		.05	.04					.17	.22			.03									1.21
Bald Eagle ‡	Middle Susq			.30			.78			.25				.13	.12				.11	.10	.41							.11					2.31
Bedford	Juniata			.10			.04	.28		.03	.10	.10		.04	.02				T	.04	.30			.05	T	T.	T.	.04					1.14
Bellefonte	W. Br. Susq			.35			.57	.30		.13	.04	.03	T.	.13	.01					.16	.35		.10	.05		T.	T.	.02	T.				2.24
Berwindale‡	W. Br. Susq			.21			.99			.44				.16	.16			.12	.31	.25	.33		.06	.03			.02	.20					3.28
Bethlehem	Lehigh			.17	.01			.46		.05	.02		T.	.12						.23	.77			.19	.02	T.		.04	.04				2.12
Big Knob‖‖	Middle Susq				.09			.60	T.	T.	.09		.07	.02	.06					.20	.96	.03		.02	.01		T.		.09				2.24
Bloserville‡‡	Lower Susq			.22			.18			.32			.03	.13							.48							.08					1.44
Buffalo Mills‖‖	Potomac				.09			.30			.09		.27	.11						.03	.29						.03	.02					1.23
Carlisle	Lower Susq			.23			T.	.20		.04	.07	T.	.03	.10					T.	.14	.98		T.	.07	T.	T	T.	.08					1.94
Carter Camp‡	W. Br. Susq			.48			.76		.06	.26				.84	.08			.07	.23	.21	.16		.03	.07			.06	.10					3.86
Center Hall	Susquehanna			.12				.72	.31		.01	.14	.12							.01	.68		T.				.15						2.26
Chambersburg	Potomac			.12			T.	.24		.05	.01	.04	.01	.09					T.	.03	.29			.02			T.	.01					0.91
Clearfield	W. Br. Susq			.40	T.		.36	.38		.42		.02	.20	T.					.22	.30	.36		.10	T.	T.	.30	.10		.02				3.18
Coatesville	Lower Del			.39				.08		.01		T	.06							.60	.98		.08	.38		T.		.02					2.60
Colebrook	Lower Susq			.20			.01	.13		.03	.05	.05	.01	.07						.12	1.15		T.	.15	T.	T.	T.	.07					2.04
Conshohocken	Schuylkill			.04			.06			.01	.01	T.	10	T						83	1.65		.01	41				.02	.01				3.15
Doylestown	Lower Del			.16				.08		.03			T.	.05						.55	1.13			.36				.02					2.38
Driftwood‡	W. Br. Susq			.33			.71			.42				.55				.05	.27	.11	.12		.06										2.62
Du Bois	W. B. Susq			.27	.02		.20	.63		.48	.37	T.	T.	.36	.05			.18	.43	T.	.30		.02	.04	T	T.	T.	.17	T				3.52
Emporium	W. Br. Susq			.31	.06		.40	.38		.22	.11	.01	T.	.91					.25	.21	.26		.04	T.	T.	T.		.08					3.24
English Center‡	W. Br. Susq			.29			.63	.01		.04				.45			.02	.03	.18	.14	.18		.05										2.02
Ephrata	Lower Susq			.15				.06		.01	T.	T.	.07	.08						.16	1.29		T.	.24				.04	T.				2.10
Forest City‖‖	N. Br. Susq	.12			.32			.82			.35			.66	.28	T.			T.	.18	.48			.03	T.	.05		.02	.13				3.44
Fredericksville	Schuylkill			.17			T.	.11		.03	.01	T.	.06	.04					T.	.20	1.20		T.	.17		T.		.09	.04				2.12
Freeland‖‖	Lehigh	.06			.39			T.	.02		.06		.02	T.	.25		T.		T.		.93	.48		.01	T.	T.	T.	T.	.18				2.40
Galeton	N. Br. Susq			.43	.02		.49	.09		.11	.06	T.	T.	.93	.01			T.	.18	.28	.31		.09		T.		T.	.08					3.08
George School	Lower Del			.08			T.	.08		.03		T.	.03	.01					T.	.70	1.12			.36				T.					2.41
Gettysburg	Potomac			.15	T.			.05		T.	T.	.03	.04	.03						.03	1.01			.16	.01		T.	T.	T.				1.51
Girardville‖‖	Lower Susq			.36			.90			.12		.08		.27	.02				.07	.88	1.08		.02	.04				.13					3.97
Gordon	Lower Susq			.38				.92		.07	.04		.10	.14						.16	.70			.65				.10	.20				3.46
Gouldsboro‖	Lehigh	.05	.05					1.24						.15	.58					.11	.65					.10		.10	.45				3.48
Graterford	Schuylkill							.14		.03		T.	.01							.03	1.18			.04				.05	.06				1.54
Hamburg	Schuylkill			.20				.38		.01	.01		.01	.06						.11	.90			.10				.08	.01				1.87
Hanover	Lower Susq			.15				.15		.02	T.	.03	.07	.07						.05	1.12		T.	.22	.01		T.	T.	.02				1.91
Harrisburg***	Lower Susq			.21			.16	T.		.09		.02	.04	.07	T.				T	.54	.73		T.	.09	T	T.	T.	.08					2.03
Hawley‖‖	Upper Del	.05			.20			.39			.17		.03	.04	.18	T.			T	.01	.75	.04		.02		.02	T.		.06				1.96
Hollisterville‖‖	Upper Del				.36			.69			.47		T.	.46	.19	T			.01	.05	.80	.06		T	T.	T.	T.	.02	.20				3.31
Holtwood‖	Lower Susq	.03			.05			.02			.02		.03	.02	T.				T.	.03	1.10	.05		.07	.22			T.	.02				1.66
Huntingdon	Juniata			.14			.64	T.		.03	.05	.02	.06	.05					.11	.08	.29		T.	.01	T		T.	.02					1.50
Huntsdale‡	Lower Susq			.19			.21			.08				.06	.03					.31	.55			.08									1.51
Hyndman	Potomac				T.						T.		.04	.05	T.						.17		T.				.02		T.				0.28
Kylertown	W. B. Susq	T.		.15	.01		.55	.15		.26	.13	.01	T.	.21	T.	T.		T	.11	.21	.49		.02	.01	.02	.04	.01	.05	.02				2.45
Lakeville‖‖	Upper Del	.10			.28			.46			.15		.02	.48							.99	.03		T	01				.11				2.64
Lancaster	Lower Susq			12				.08		.01	.04		.06	.06						.18	1.25		.02	.28	.02	T.		.06	.02				2.20
Lansford‖‖	Lehigh	.08			.35			.78	T.		.09		.12	.17	.02					.08	1.04	.50		T.	.13				.12				3.48
Lawrenceville	N. Br. Susq			.20			.05	.05		.12		T.		.95	T.			T	T.	T	.45		.10		T			.15					2.07
Lebanon	Lower Susq			.28			.22	T.		.06		.06	.07					T.	.06	.56	.75		.05	12			T.	.12					2.35
Lehighton‖‖	Lehigh				.49			.80	.27	.07	.24		.10	.28	.06				T.	.04	.90	T			.09				T.				3.34
Lock Haven	W. Br. Susq			.19	.01		.08	.90		.16		T.		.23	.02				.06	.10	.65			.10				.05					2.55
Marcus Hook	Lower Del			.05				.06		T.		.02	.01							*	1.67		*	.60		T.		.05					2.46
Matamoras‖‖	Upper Del	.04			.27			.48			.30			.39	.13	T.				.04	.52	T.							.08				2.25
Mauch Chunk	Lehigh			.40				.81		T			T.	.34						.11	.82	.26		.13		T.		.12					2.99
Mifflintown	Juniata			.15			1.00				.06	T.	.16							98	.20		T.	.04				.28					2.87
Millersburg‡	Lower Susq			.29			.62			.10		.05	.04	.03					.05	.50	.78							.07					2.53
Millville‡	N. Br. Susq			.38	.02		76			.04				.46	.04				.10	40	.24		.04	.01			.04	.19					2.72
Montrose	N. Br. Susq			.29			.09	.36		.19			.10	.79		T.			T.	.08	.54			.04				.20					2.68
Morris Run	N. Br. Susq			.33			.28	.30		20	30			.67		.02			.02	.16	.45		.04		T			.17					2.94
Mount Pocono	Upper Del					.12			1.00	.60	.10				.10	.80						.50	.20			.20	.10	.10					3.82
Mt. Union‡	Middle Susq			.14			.67			.14		.12	.15	.12	.07				.05	.20	.35							.09					2.10
Muncy Valley	W. Br. Susq			.42			.46	.36		07			T.	.42						T.	.93			.14				.23	T				3.03
Neshaminy Falls‖‖	Lower Del			T			T	01		T.		T	.01	T.					T	1.03	.75		.01	.34				.04	T.				2.19
New Bloomfield	Juniata			.27			.20	.36		.04	.09	T.	.04	.14	.01				T.	T.	1.06			.06			T.	.07					2.34
New Park	Lower Susq			.07			.22					.05								.34	1.00		.43					T.					2.11
Newport‖‖	Juniata				.22			.60			.13		T.	.07	.02				.03	.15	.75	.20		02	.04			T.	.04				2.27
Orwigsburg	Schuylkill			.31			.78			08		T		.11			T.			.11	1.53			.70		T.	T.	.15					3.77
Palmerton‡	Lehigh			.34			.68	T.		.09		.02	.01	.17				T.		.53	.34		.02	.12		T.		.03					2.35
Paupack‖‖	Upper Del	.05			31			.45			16			.53	.05					.03	.85								02				2.45
Philadelphia***	Lower Del			.04	T		.04	T		01		.02	.06	T.						1.11	.77		.05	.42		T.		.02	T.				2.54
Phila. Navy Yard ‡	Lower Del			04	.02		.04	03		.02	01	.01	.02	T.					T.	.18	1 22		.01	.58		T.		.01					2.19
Phila-P'nt Breeze ‡	Lower Del			05	01		08	T.		.01		.03	.03							.94	.60		.05	.45		T.		.02					2.27
Phoenixville	Schuylkill			.15	T.			.07		.02	.02		.16							.63	1 28		T.	31	.03			.01	02				2.70
Pine Grove	Lower Susq			.35			.60	.05		.10		.10	.05						.02	.75	.75		.04	.11		.01		.16					3.09
Pleasant Mt.	Upper Del			.30			.75			.25				.92						.72			.04			.24		.39					3.61
Pottstown	Schuylkill																																......
Pottsville	Schuylkill			.40				.91		.05	.03	T.	.04	T.						.20	1.20			.09	T.			T.	.11				3.03
Quakertown	Lower Del			.16						.18			.01	.06	T					.33	1.15			.25	T.	T.		.06	T.				2.20
Reading***	Schuylkill			.17	T		.11	.01		.05	.01	.07	.02	.05				T.	T.	.55	.48		01	.19		T	T.	.05	T				1.77
Renovo‖‖	W. Br. Susq				.24			.80		.05	.18		.02	.27	.18				.18	.30	.57	.12		.06				.04	.05				3.06
Retreat	N. Br. Susq			37			.35	.30		.30			.05	.37					.03	.12	.67		.02	.08				.11					2.77
Scranton***	N. Br. Susq			.27	T.		.52	.05		.60	T.	T	T	.55	T.	T.	T.	T.	.05	.33	.21		.02	.01	T.	T.		.20	.01				2.82
Selinsgrove	Lower Susq			.27			.66	.08		.05	.04	.01	.01	.15	.01					.22	96			.06				.04					2.56
Sellersville‡	Lower Del			.20			.15							.06					.07	.79	.68		.05	.25									2.25
Shade Gap‡	Middle Susq			.10			.45			.05			.10	.05						.48	.23												1.46
Shawmont	Schuylkill			.05	.02			.05		.02	.01	T.	.10	.02						.72	.80		.01	.30	.01			.01	04				2.16

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq	....	....	.12	....	....	....	.24	....	.02	.01	.02	.01	.10	.01	....	....	....	....	.10	.37	....	....	.03	.01	T.	T.	.01	T.	....	....	....	1.05
State College	W. Br. Susq	....	....	.20	T.	....	.77	.23	....	.19	T.	.02	....	.18	....	....	....	T.	.11	.06	.62	....	T.	T.	T.	T.	T	.07	....	....	....	....	2.45
Stroudsburg‖‖	Upper Del	....	....	.33	....	....	.54	..	....	.11	....	T	..	.16	...	....	....	.01	.08	....	.61	....	....	.16	....	....	....	T.	....	....	....	....	2.00
Sunbury‖‖	Lower Susq	.16	..	...	.28	....	....	.69	T.	....	.11	....	.08	.16	.06	...	....	....	....	.16	.62	.17	....	.04	.05	....	T.	T.	.11	....	....	....	2.69
Susquehanna‖‖	N. Br. Susq	.10	....	....	.36	....	..	.42	....	....	.35	....	.02	.39	.19	.01	....	....	.01	.06	.28	....	....	.02	....	.06	....	....	.12	....	....	....	2.39
Towanda	N. Br. Susq	....	T.	.19	T.	....	.27	.07	....	.24	.01	T.	T.	.63	T.	T.	T.	.02	T	.08	.42	....	T.	T.	T.	T.	T.	.16	.02	....	....	....	2.11
Weikert	Lower Susq	....	....	.32	....	....	1.15	..	....	....	....	.04	....	.12	.08	....	....	....	....	.10	1.50	....	....	....	....	....	....	.12	....	....	....	....	3.43
Wellsboro	N. Br. Susq	....	....	.30	....	....	.25	.26	....	.15	T.	T	T.	.80	T.	T.	....	....	.02	.02	.60	....	T.	....	T.	....	....	.07	...	....	....	....	2.47
Wernersville[near]	Schuylkill	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
West Chester	Lower Del	....	....	.12	....	....	T.	.13	....	.01	T	T.	.07	.01	T.	....	....	....	....	.70	1.17	....	T.	.35	....	....	....	.02	....	....	....	....	2.58
Westgrove‖‖	Lower Del	.20	....	....	.10	....	....	.12	....	....	.01	....	.03	10	....	...	....	....	....	.12	.85	.60	....	.12	.34	....	....	....	.06	....	....	....	2.65
Wilkes-Barre‖‖	N. Br. Susq	.20	....	....	.30	....	....	.78	.04	....	.25	....	T.	.52	.10	T.	....	....	T.	.07	.61	....	....	.02	.07	T.	T.	T.	.15	.. .	....	....	3.11
Williamsport‖‖	W. Br. Susq	T.	....	....	.32	....	T.	.81	....	.01	.08	....	.05	.37	06	....	....	....	....	.09	.73	.08	....	.08	....	....	....	T.	.17	....	....	....	2.85
Williamstown	Lower Susq	....	....	.30	....	....	....	.65	....	.01	....	T.	.10	.02	....	....	....	....	....	.15	1.28	....	....	.03	T.	T.	T.	.07	....	....	....	....	2.61
York	Lower Susq	....	....	.13	....	....	....	.11	....	....	.03	.02	.04	.04	....	....	..	....	....	.11	1.06	....	....	23	...	....	....	.02	....	....	....	....	1.79
York Haven‖‖	Lower Susq	....	....	....	.20	....	....	.17	....	...	.06	....	.05	.09	T.	....	....	....	....	.01	.92	.06	....	.03	.13	....	....	....	.04	....	....	....	1.76
Zionsville..(near)	Schuylkill	....	....	.82	.03	....	T.	.27	....	.06	.04	....	....	.75	....	....	....	....	....	.22	1.31	....	....	.30	....	....	....	.04	.02	....	....	....	3.86
Trenton, N. J***	Lower Del	....	.. .	.06	....	....	.08	T.	....	.02	....	T.	.03	.01	.. .	....	....	....	T.	.95	.66	....	.03	.30	....	T.	....	.03	T.	....	....	....	2.17
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	T.	. .	....	.05	....	....	.62	T.	.06	.15	....	T.	.01	.02	T.	T.	T.	.07	.32	.83	.01	....	.11	T.	T.	.05	.02	.09	....	....	....	2.41
Blairsville	Allegheny	T.	....	....	08	....	....	.81	T.	T.	.17	T.	.08	.02	.21	T.	T.		.12	.58	.90	T.	....	09	.03	.05	.08	.05	.09	....	....	....	3.36
Bradford	Allegheny	....	....	.40	....	....	.08	40	...	.41	.13	T.	....	1.75	16	T.	....	T.	.92	.21	.57	....	.03	.12	.01	.02	T.	.12	T.	....	....	....	5.33
Brookville‖‖	Allegheny	.01	....	....	.28	....	....	1.04	....	.27	.76	....	.01	.12	.23	....	....	....	.28	.32	.10	T.	....	.09	....	T	.04	.16	.14	....	....	....	3.85
Buckstown‡	Allegheny	....	.03	.16	..	..	.60	....	....	.43	.02	.10	.11	.05	.05	....	....	....	.02	.16	.14	.04	.. .	....	.03	.08	.05	.16	....	....	....	....	2.23
Butler	Ohio	....	...	06	.45	....	....	.25	....	.20	....	T.	....	.04	....	....	....	.08	....	.40	.05	....	....	.10	.05	.07	....	.62	....	. .	....	....	2.37
Chambersville	Allegheny	....	....	.16	....	...	.36	.34	....	.20	.40	.01	T.	.05	....	....	....	....	.21	.30	.81	....	.03	.10	...	.01	.06	.25	.01	....	. .	....	3.30
Clairton‡	Monongahela	....	...	.06	....	....	.72	.04	....	.19	...	.02	.03	....	.08	T.	....	T.	.20	1.30	.03	....	.06	.02	.01	.07	.02	.05	....	....	....	....	2.90
Clarion	Allegheny	.02	....	....	.24	....	.02	.97	.03	.31	.88	.01	.02	.23	.29	T	...	...	.18	.37	.97	.04	....	.17	.01	T.	.06	.22	.10	....	....	. .	5.14
Claysville	Ohio	....	....	.07	...	...	.47	.30	....	.05	.21	.11	.08	.05	.02	T.	....	T.	.08	.40	1.28	...	.10	.08	.03	.01	.07	.04	.08	....	.. .	....	3.53
Confluence‖‖	Youghiogheny	T.	....	....	.15	....	....	.52	T.	T	.48	T.	.40	.58	.09	....	....	....	....	.12	.22	T.	....	.08	.04	.08	.12	.04	.18	....	....	....	3.10
Connellsville	Monongahela	T.	....	..	.05	....	...	1.03	T.	.03	.41	T.	.08	.07	....	....	T.	....	T.	.35	.59	T	....	.06	T.	.03	.05	T.	.05	....	....	....	2.80
Corry	Allegheny	....	....	.32	....	....	....	.38	....	.93	....	....	....	.76	.12	...	....	....	.86	32	.40	....	.01	....	.04	....	.. .	.20	.05	....	....	....	4.39
Coudersport	Allegheny	....	. .	.36	.13	....	.25	.21	. .	.33	.12	T	....	1.19	....	....	....	....	.38	.23	.29	....	.05	....	T.	T.	....	.20	....	....	....	....	3.74
Derry	Conemaugh	....	...	.15	....	....	.88	.36	. .	.15	.15	T.	T.	...	.13	....	....	....	.12	.41	.82	....	.04	.10	T	T	.05	.17	T.	....	....	....	3.53
Donora‖‖	Monongahela	....	...	.03	....	....	.76	T.	....	.28	....	.12	.02	....	.04	T.	....	T.	.23	.98	.16	....	.04	.04	T.	...	.10	.06	....	....	....	....	2.86
Dunlo‡	Allegheny	....	...	.20	....	....	.72	....	....	.30	.04	.08	.02	.02	.10	....	....	.06	.21	.23	.23	....	.06	...	.03	.01	....	.23	....	....	....	....	2.54
Ebensburg	Conemaugh	....	....	...	.20	....	....	1.00	....	....	.81	T.	.03	....	.20	....	....	....	.12	T.	.55	....	....	.22	....	.10	.12	.04	.36	....	....	....	3.75
Franklin‖‖	Allegheny	....	...	..	.10	....	....	.34	....	.23	.82	....	....	.22	.58	....	....	....	.11	.43	.42	....	....	.30	....	.02	.02	.03	.04	....	....	....	3.66
Greensboro‖‖	Monongahela	.04	....	T.	.05	....	....	.59	.. .	....	.33	T.	.22	.47	.06	....	....	T	.01	.25	1.11	.01	....	.13	.05	.05	.04	.03	.13	....	....	....	3.57
Greensburg	Youghiogheny	....	. .	.09	....	....	.83	.20	....	.13	.20	.01	.03	.01	.11	T.	....	T	.13	.35	1.03	....	.05	.11	.03	.04	.09	.10	.03	....	....	....	3.57
Greenville	Beaver	....	....	.10	....	....	.05	.25	....	.50	.42	T.	T.	.48	.08	T	T.	T.	.58	.28	.28	....	.25	.02	T.	.02	.03	.15	.03	....	....	....	3 52
Grove City	Beaver	.03	.27	10	....	....	.43	....	....	.53	.25	.01	....	.19	....	T.	....	T.	.15	.41	.19	...	.10	.06	....	.21	T.	.01	....	....	....	....	2.94
Herrs Isl. Dam‖‖	Ohio	....	....	T.	.07	....	....	.44	T.	.04	....	T.	.04	.04	.07	T.	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	§
Irwin	Monongahela	....	....	.08	....	...	.55	.21	....	.21	31	.02	.02	.02	.13	....	....	....	.13	.40	1.25	..	.14	.10	.02	T.	.06	.18	.05	....	....	....	3.83
Johnstown	Conemaugh	....	....	.09	...	....	.71	.32	....	.20	.09	.05	.. .	.04	.03	. .	....	....	.10	.36	.40	....	.04	.02	T.	.03	.03	.16	.02	....	....	....	2.69
Kane (near) ‡‡	Allegheny	T.	....	.46	T.	....	.26	.33	....	.56	.24	.08	...	1.24	.12	T.	....	T.	49	.22	.85	....	.02	.15	.10	T.	T.	.15	T.	....	....	....	5.27
Kregar‖‖	Youghiogheny	....	....	.19	....	....	.60	.. .	....	.61	....	.05	.10	.24	.. .	T.	...	T.	.43	.37	T	...	.05	.04	04	.16	.06	.24	....	....	....	....	3.18
Lake Lynn‖‖	Monongahela	.04	....	....	.11	....	....	.46	.01	....	.40	....	.21	61	.05	....	....	..	.05	.20	.66	.02	...	08	.05	.04	.02	.05	.18	....	....	....	3.24
Linesville‖‖	Beaver	....	.09	T.	....	T.	.34	....	.45	.55	.. .	....	.85	.25	T.	....	....	.24	.77	.49	....	....	.13	T.	.05	.02	.05	T.	....	....	. .	....	4.28
Lock No 2‖‖	Ohio	....	....	.01	.07	....	....	.55	....	.22	.04	T.	T.	....	.11	....	....	....	.01	.23	.72	.03	....	.10	....	....	.03	.02	.06	....	....	....	2.20
Lock No. 4‖‖	Monongahela	.01	....	....	.06	....	....	.91	.01	.01	.38	....	.14	.08	.04	....	....	T.	T.	.30	1.08	.02	....	.07	.03	.01	.05	.03	.08	....	....	...	3.31
Lock No. 5‡‡‖‖	Allegheny	....	....	....	.07	....	....	.65	.02	.05	.38	....	.04	.02	.13	....	T	....	.05	.22	.97	.04	....	.11	.02	.01	.06	.04	.10	....	....	....	2.98
Lycippus	Conemaugh	....	....	.39	.. .	....	.39	.57	....	.28	.34	.04	T.	.11	T.	....	.. .	....	.07	.45	.63	....	.04	.03	....	.10	.20	.15	.03	....	....	....	3.82
Marienville‡	Allegheny	....	....	.35	....	....	.73	.04	....	.97	....	.. .	...	.88	.04	....	....	.05	.66	.66	.23	. ..	.12	...	....	....	....	.14	....	....	....	....	4.87
McKeesport‖‖	Monongahela	....	....	....	.02	....	....	.46	....	.08	.09	....	T.	.01	.06	....	....	....	T	.22	.97	....	....	.05	02	T.	.11	T.	.07	....	....	....	2.16
Meadville	Allegheny	T	T.	.05	.04	....	T.	.21	T.	.51	.59	....	T	.53	.44	T.	T.	....	.08	.86	.15	....	....	.10	T	.04	.02	.03	.02	....	....	....	3.67
Mercer‡	Ohio	....	....	.13	....	....	.35	....	....	.78	....	....	.02	.12	.02	. .	....	.06	.54	.17	.07	....	.20	....	....	....	....	.13	....	....	....	....	2.59
Midland	Ohio	....	.. .	.17	....	....	.34	.28	.. .	.20	.06	T.	T.	...	.12	T.	....	T.	.13	.32	.67	....	.12	.03	.02	....	.07	.01	.08	....	....	....	2.62
Mosgrove‖‖	Allegheny	....	...	T.	.11	....	.01	.68	....	.04	.52	.02	T.	.04	.28	T.	T.	....	.21	.34	1.22	.04	...	.11	T.	T.	.07	.06	.14	....	....	....	3.89
Mount Lebanon	Ohio	....	.. .	.08	....	....	.49	.02	....	.20	....	.04	T.	....	....	T.	....	T.	.22	.53	.66	....	.07	T.	.03	.03	.03	.10	....	....	....	....	2.50
Natrona‖‖	Allegheny	T.	....	....	.06	....	....	.51	T.	.03	.24	....	.03	.02	.18	....	....	. .	.02	.21	1.17	.05	....	20	T.	.02	.06	.04	.10	....	....	....	2.94
New Castle‖‖	Beaver	T.	T.	.08	T.	....	T.	.70	....	.31	.12	.01	.02	.03	39	T.	....	....	.03	.31	.67	....	....	.13	.03	.03	.03	.08	.04	....	....	...	3.01
Newell	Monongahela	....	...	.20	....	....	....	1.00	....	.10	.35	.05	.04	.09	....	...	..	....	....	.30	.90	...	....	.10	. .	....	....	....	....	....	....	....	3.13
Parkers Landing‖‖	Allegheny	T.	....	T.	.24	....	T.	.88	....	.15	.55	T.	T.	.14	.22	T.	T.	....	.16	.33	1.00	T.	...	.14	T.	.04	.03	.12	.02	....	....	....	4.02
Pennline‖‖‡‡	Beaver	T.	...	.10	.08	....	T.	.33	....	.70	.52	....	....	1.10	.43	T.	....	....	.43	.65	.33	....	....	15	T.	.04	.03	.11	.05	....	....	....	5.05
Pittsburgh***	Ohio	....	....	.06	....	....	.56	T.	....	.23	.01	.05	.02	....	.10	T.	T.	T	.22	.90	.35	T.	.14	.02	.04	.08	.03	.01	T	....	....	....	2.82
Punxsutawney‖‖	Allegheny	....	....	....	.27	....	....	.61	T.	.18	.50	....	....	.05	.12	....	...	...	.30	.28	.82	T	....	.14	....	T.	.03	.10	.14	....	....	....	3.54
Ridgway	Allegheny	T.	...	....	.43	....	T.	.87	....	.11	.57	T	.04	.43	.35	T.	T.	...	.15	.21	.57	T.	T	.03	T.	.02	.02	.03	.08	....	....	....	3.91
Rochester‡	Ohio	....	....	.08	.01	....	.78	....	....	.24	....	....	....	.05	.08	....	....	....	.21	.57	.31	....	.15	....	....	.04	.02	.06	....	....	.. .	....	2.60
Salisbury (near)	Youghiogheny	....	....	.15	....	....	.50	.06	....	....	.48	.32	.14	.36	.12	....	....	.03	....	.23	.14	....	.03	.01	.06	.16	.36	.29	.11	....	....	....	3.55
Saltsburg‖‖	Conemaugh	T	....	....	.09	....	....	.77	....	.10	.19	T.	T.	.07	.15	T.	T.	....	.03	.35	1.39	T	....	.09	T.	T	.06	.02	.13	....	....	....	3.44
Sharon‖‖	Beaver	....	....	.08	T.	....	....	.30	....	.32	.44	....	....	....	.09	....	T.	....	.09	.36	....	.16	....	.10	....	.02	.06	.06	T	....	....	...	2.08
Smethport‖‖	Allegheny	....	....	....	.50	T.	....	.43	T.	.02	.33	....	....	1.30	T	....	...	T.	.28	.42	.46	T	T.	....	....	....	.10	T.	.20	....	....	....	4.04
Somerset	Youghiogheny	....	....	.19	....	....	.16	.60	....	.04	.51	.18	.02	05	.02	T.	....	....	.02	.33	.19	....	T.	.08	.02	.03	.08	.15	.03	....	....	....	2.70
Springdale‖‖‡‡	Allegheny	.03	....	....	.05	....	....	.95	....	.05	.23	....	.02	T	.10	....	....	..	.07	.24	1.48	.02	....	.13	.02	.02	.07	.05	.13	....	....	....	3.66
Titusville‡	Allegheny	....	....	.43	....	....	.24	....	....	1.20	....	.. .	.02	1.04	.01	....	....	....	.86	51	.12	.01	.20	....	....	....	.03	.22	....	....	....	....	4.89
Union City‡	Allegheny	....	....	.30	....	....	.40	.02	....	1.14	....	.07	.11	1.23	.02	....	....	.12	.91	.27	.19	....	.18	....	....	....	....	.10	....	....	....	....	5.06
Uniontown	Monongahela	....	....	.08	....	....	.35	.55	....	.06	.49	.23	.14	.12	....	....	....	....	.07	.29	.58	....	.05	.13	.04	.03	.06	.13	.06	....	....	...	3.46
Unity Reservoir‡‡	Youghiogheny	....	....	.10	....	....	.91	.27	....	.10	.24	.01	.03	.05	.12	T.	....	....	.10	.36	.90	....	.03	.08	.01	.02	.10	.19	.01	....	....	...	3.63
Vandergrift‡	Conemaugh	....	....	.04	....	....	.50	....	....	.17	....	T.	.05	....	.04	....	....	....	.22	.55	.11	....	.13	.02	....	.01	T.	.10	....	....	....	....	1.94
Warren	Allegheny	....	....	.40	....	....	....	.47	....	.46	.10	....	.04	1.72	....	....	....	.04	1.04	.38	....	....	....	.08	.04	.03	.04	.20	.03	....	.. .	....	5.07
Waynesburg	Monongahela	....	....	.34	....	....	.60	.46	....	.05	.25	.21	.19	....	....	....	....	....	.17	..	1.45	....	....	....	T.	T.	.11	.15	.20	....	....	....	4.18
Westford‖‖	Beaver	.14	....	.45	.03	....	.45	....	.46	.43	....	.. .	.44	.58	T	....	....	.12	.86	.04	19	....	.12	....	.10	.12	.20	.09	.06	....	.. .	....	4.88
West Newton‖‖	Youghiogheny	....	....	....	.01	....	....	.84	....	.01	.24	....	.10	.05	.07	....	....	....	.02	.28	1.02	....	....	.06	.02	.01	.06	.01	.07	....	....	....	2.87
Lake Drainage.																																	
Erie***	Lake Erie	....	...	.07	....	.02	.05	.13	....	.80	T.	.01	.07	1.74	T.	T.	....	.07	.60	.40	.02	....	.07	T.	T.	.01	T.	.06	....	....	....	....	4.12
Raymond‡	Genesee	....	....	.27	....	....	.47	....	....	.38	....	....	.03	1.13	.04	....	....	.05	.44	.10	.22	.14	....	....	....	....	....	....	....	....	....	....	3.22

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

Daily Temperatures for February, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	23	30	38	48	45	49	53	54	56	53	35	30	62	58	41	35	40	61	54	34	36	34	34	34	27	30	34	33	....	....	....	41.5
	Minimum	10	17	29	31	23	33	32	24	33	33	20	23	30	37	19	14	19	35	34	30	13	23	32	27	17	18	28	5	....	....	....	24.6
Bedford	Maximum	30	34	41	49	50	65	56	56	61	60	43	36	67	65	44	38	48	67	62	40	41	41	41	39	31	36	37	36	....	....	....	47.0
	Minimum	13	19	30	33	24	35	34	23	27	36	22	24	32	42	22	14	19	32	40	33	19	26	30	29	20	21	31	10	....	....	....	26.4
Bethlehem	Maximum	33	34	41	45	43	60	59	53	47	49	38	36	39	59	49	34	39	57	58	37	38	38	37	38	35	34	35	33	....	....	....	42.8
	Minimum	17	17	29	36	26	34	40	27	32	35	20	24	33	36	19	16	19	34	33	28	19	20	34	32	25	17	29	10	....	....	....	26.5
Brookville	Maximum	26	40	45	39	59	58	54	58	50	39	30	48	60	47	36	37	50	59	41	53	40	39	35	32	27	32	35	30	....	....	....	42.9
	Minimum	4	9	9	31	22	26	32	11	12	31	21	23	29	36	16	8	14	25	36	30	14	16	30	27	16	10	22	8	....	....	....	20.1
Butler	Maximum	24	40	50	50	59	50	45	51	57	57	39	37	66	66	41	32	46	61	61	42	42	41	43	37	31	32	32	30	....	....	....	45.1
	Minimum	9	16	34	31	26	35	31	19	34	27	26	27	39	39	20	14	19	44	37	21	25	29	34	27	18	21	15	7	....	....	....	25.9
Carlisle	Maximum	33	35	40	48	48	58	52	56	50	55	41	32	44	60	49	40	58	67	60	42	40	40	40	41	35	33	38	40	....	....	....	45.5
	Minimum	15	18	30	31	24	30	39	24	29	41	21	25	31	33	22	14	22	33	40	32	20	23	33	32	25	18	30	12	....	....	....	26.7
Chambersburg	Maximum	35	35	40	52	42	59	52	55	53	58	40	33	53	60	46	40	45	69	60	41	45	41	38	41	37	35	39	39	....	....	....	45.8
	Minimum	17	19	29	35	26	31	39	26	30	39	24	26	31	41	24	17	19	36	40	32	21	23	32	31	24	22	30	13	....	....	....	27.8
Chambersville	Maximum	26	38	47	48	62	60	54	57	54	54	43	43	67	66	42	35	54	64	56	39	38	38	44	38	30	32	34	36	....	....	....	46.4
	Minimum	5	12	31	29	23	44	30	17	32	31	23	25	36	34	17	13	18	42	37	29	22	22	33	25	15	17	21	3	....	....	....	24.5
Claysville	Maximum	28	47	51	51	65	62	55	61	61	60	36	53	68	64	48	37	64	67	56	47	35	44	45	36	30	38	35	33	....	....	....	49.2
	Minimum	4	16	38	30	30	50	32	22	37	28	28	21	42	37	21	13	25	52	36	31	25	28	32	28	20	22	29	12	....	....	....	28.2
Clearfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Coatesville	Maximum	31	37	43	46	34	60	58	48	50	53	42	35	48	61	43	32	39	64	57	38	39	38	38	39	33	35	41	37	....	....	....	43.5
	Minimum	18	17	29	33	24	32	39	25	29	42	20	23	33	41	21	15	16	29	36	28	17	14	33	31	24	17	29	14	....	....	....	26.0
Corry	Maximum	21	42	44	44	57	55	51	52	48	42	29	39	58	59	30	36	45	52	40	33	40	35	40	34	26	36	34	32	....	....	....	41.2
	Minimum	0	8	30	22	24	48	26	14	38	20	17	23	32	27	9	9	17	37	29	20	8	18	21	22	10	7	25	−1	....	....	....	20.0
Coudersport	Maximum	24	30	41	44	46	51	49	51	45	48	26	34	52	58	31	33	37	57	51	31	40	30	37	34	27	31	34	30	....	....	....	39.4
	Minimum	1	7	24	27	21	37	29	15	30	16	12	19	30	28	8	6	14	32	28	12	5	11	24	20	13	5	25	5	....	....	....	18.0
Donora*	Maximum	30	48	53	43	66	65	47	61	62	57	35	49	69	64	30	35	61	69	54	46	38	48	48	36	30	36	36	24	....	....	....	47.9
	Minimum	13	24	42	35	31	47	32	28	47	33	33	34	49	30	23	18	27	50	45	32	27	36	33	30	26	26	24	14	....	....	....	31.8
Ebensburg	Maximum	25	33	48	47	45	55	53	55	52	52	40	35	65	65	40	35	45	61	55	36	36	37	33	37	37	33	33	32	....	....	....	43.6
	Minimum	7	17	27	27	24	38	29	24	35	30	19	20	23	38	15	9	20	35	34	31	12	24	29	24	13	15	25	1	....	....	....	23.6
Emporium	Maximum	27	32	43	47	50	59	51	55	47	50	28	35	48	60	36	37	41	62	58	34	41	39	37	33	29	33	35	35	....	....	....	42.2
	Minimum	5	12	29	32	21	39	34	17	23	28	17	24	33	36	12	9	14	36	33	27	10	18	31	26	17	11	29	3	....	....	....	22 4
Ephrata	Maximum	32	35	43	47	45	63	57	52	43	52	36	36	46	59	44	37	39	70	61	40	42	38	40	39	35	36	39	37	....	....	....	44.4
	Minimum	18	20	30	31	26	34	40	25	33	36	21	25	34	35	22	17	18	34	39	51	19	22	35	33	26	18	19	14	....	....	....	27.0
Erie*	Maximum	20	40	47	33	59	58	37	53	52	37	32	44	62	59	22	26	52	55	32	29	30	41	36	29	23	35	34	22	....	....	....	39.2
	Minimum	7	16	32	30	31	37	28	24	37	21	21	29	42	22	13	16	23	32	29	23	18	25	29	22	18	21	14	5	....	....	....	23.8
Franklin‡	Maximum	25	43	48	34	60	55	39	53	52	36	31	55	63	37	26	36	54	59	39	36	38	42	33	30	25	33	35	23	....	....	....	40.7
	Minimum	7	9	17	30	25	30	33	18	20	31	22	25	29	26	17	13	15	27	34	29	18	21	29	25	18	16	23	5	....	....	....	21.9
Freeland	Maximum	21	22	36	38	34	53	45	42	42	43	22	25	46	58	33	25	29	58	51	32	30	25	33	30	23	28	28	28	....	....	....	34.8
	Minimum	6	10	22	28	22	30	28	19	19	22	11	16	27	32	10	8	15	27	30	22	9	16	27	24	18	8	24	0	....	....	....	18.9
George School	Maximum	54	38	45	50	44	63	61	48	45	49	35	39	46	65	42	36	40	65	61	61	38	39	38	39	38	38	38	36	....	....	....	46.1
	Minimum	20	19	30	33	25	32	36	24	29	35	20	26	35	35	20	16	20	31	39	26	14	14	34	32	25	17	30	15	....	....	....	26.1
Gettysburg	Maximum	34	34	42	51	47	61	61	54	55	57	43	32	47	64	50	38	41	67	65	42	40	37	39	42	36	37	39	39	....	....	....	46.2
	Minimum	18	19	29	37	26	32	39	27	33	43	24	26	31	38	25	17	19	33	41	32	22	24	34	33	26	30	32	14	....	....	....	28.7
Gordon	Maximum	29	32	41	42	40	58	55	52	45	52	32	32	45	54	41	35	36	65	64	39	34	34	38	35	33	34	34	32	....	....	....	41.5
	Minimum	13	10	26	32	20	32	38	22	29	32	15	21	31	35	15	14	12	33	38	30	6	12	32	29	23	6	28	6	....	....	....	22.9
Greensburg	Maximum	27	40	50	48	63	61	55	59	58	58	39	48	68	62	43	35	61	65	55	45	37	43	45	35	28	32	34	32	....	....	....	47.4
	Minimum	10	12	36	32	28	49	33	24	40	33	27	31	43	37	20	16	25	51	42	32	23	29	33	27	20	22	30	10	....	....	....	29.1
Greenville	Maximum	22	42	48	48	60	56	52	55	52	51	30	45	65	65	38	35	53	56	44	38	37	37	41	34	31	35	35	33	....	....	....	44.2
	Minimum	5	13	34	31	27	50	30	19	39	28	22	28	40	35	17	14	20	43	32	24	12	20	32	28	18	19	28	6	....	....	....	25.5
Grove City	Maximum	26	41	47	47	60	58	51	54	52	51	35	43	64	64	35	38	56	59	54	38	38	37	42	37	29	32	33	33	....	....	....	44.8
	Minimum	5	15	32	28	27	48	28	23	38	20	22	23	38	32	16	13	24	46	37	26	18	18	28	25	16	17	17	3	....	....	....	24.4
Hamburg	Maximum	27	30	40	48	40	54	44	44	47	44	36	34	40	58	43	32	39	57	55	37	32	34	37	37	34	35	35	39	....	....	....	40.4
	Minimum	17	17	26	36	24	34	40	27	33	33	20	22	31	35	19	15	16	34	37	30	17	18	32	32	24	14	29	9	....	....	....	25.8
Harrisburg*	Maximum	29	34	41	46	44	60	52	52	46	56	29	32	43	58	35	34	40	62	54	37	36	37	40	38	32	34	40	31	....	....	....	41.9
	Minimum	20	20	30	36	29	36	39	33	35	28	23	24	32	35	22	19	22	35	36	27	23	24	35	32	25	22	31	13	....	....	....	28.1
Hawley	Maximum	27	30	42	42	41	57	53	45	44	46	29	32	39	47	35	28	38	59	56	35	36	32	40	38	29	34	36	33	....	....	....	39.4
	Minimum	7	6	24	31	16	30	30	17	25	28	10	17	30	30	12	11	9	30	33	27	8	9	29	28	19	6	26	4	....	....	....	19.7
Holtwood*	Maximum	30	36	43	47	42	62	55	51	53	52	33	36	46	58	37	34	39	67	51	38	41	37	39	37	32	40	40	36	....	....	....	43.3
	Minimum	21	22	32	31	28	33	36	28	33	32	27	28	36	37	25	20	22	36	38	31	24	24	27	32	27	24	34	18	....	....	....	28.8
Huntingdon	Maximum	31	35	40	50	49	65	55	57	60	59	38	34	48	64	44	39	43	60	49	39	44	38	39	39	29	35	39	32	....	....	....	44.8
	Minimum	15	15	32	25	20	33	33	20	28	37	21	27	33	41	21	12	14	36	38	28	15	20	33	29	22	17	30	11	....	....	....	25.2
Johnstown	Maximum	31	36	41	51	59	64	54	62	60	57	42	42	68	61	39	43	52	69	55	40	45	41	44	37	32	35	35	33	....	....	....	47.4
	Minimum	14	21	31	31	28	36	34	25	32	35	25	26	37	39	21	17	22	41	40	33	21	31	36	29	20	21	22	9	....	....	....	27.8
Kylertown*	Maximum	26	30	45	37	45	60	43	50	51	49	23	33	60	59	27	34	39	61	50	32	34	34	35	30	23	29	32	13	....	....	....	38.7
	Minimum	8	18	29	27	22	41	26	22	39	22	17	23	33	23	14	9	18	36	31	17	11	18	29	21	12	11	13	2	....	....	....	21.1
Lancaster	Maximum	35	36	44	47	45	65	63	51	49	48	42	37	49	62	49	35	39	70	64	41	38	39	40	41	42	36	42	39	....	....	....	46.0
	Minimum	16	17	28	27	21	28	39	21	27	40	19	24	33	31	21	13	15	27	39	30	17	18	33	32	25	16	29	14	....	....	....	25.0
Lawrenceville	Maximum	27	30	42	42	45	57	50	52	46	49	29	37	45	53	49	29	37	52	47	36	37	32	43	35	31	32	35	35	....	....	....	40.5
	Minimum	5	10	26	32	28	36	30	18	32	23	14	22	31	34	9	10	13	32	28	21	5	14	28	25	17	9	27	−1	....	....	....	20.6
Lebanon‡	Maximum	29	35	43	45	42	61	50	52	51	43	40	36	42	59	33	33	38	64	46	43	36	38	38	38	32	34	37	31	....	....	....	41.8
	Minimum	17	18	20	31	26	23	37	26	28	33	21	22	25	41	21	15	19	24	36	32	19	21	23	32	24	16	21	12	....	....	....	24.4
Lock Haven	Maximum	33	34	41	45	45	50	48	45	45	52	37	35	45	51	46	33	40	48	49	38	34	34	38	39	37	32	36	37	....	....	....	41 0
	Minimum	15	18	31	36	23	35	38	22	30	35	20	24	33	35	18	12	18	34	36	32	14	17	32	31	24	15	30	8	....	....	....	25 6
Marcus Hook*	Maximum	39	51	50	49	62	62	50	49	59	43	42	49	66	54	35	42	65	72	51	37	43	43	43	39	42	45	44	52	....	....	....	49.2
	Minimum	24	32	36	31	39	44	31	35	42	24	27	39	42	25	19	24	35	43	30	22	25	36	35	28	22	33	18	18	....	....	....	30.7
Meadville	Maximum	24	43	46	34	59	54	35	53	51	29	29	50	63	37	23	35	52	54	38	30	35	43	32	30	25	33	34	23	....	....	....	39.1
	Minimum	3	22	29	27	33	29	20	23	27	21	25	29	34	15	13	15	29	32	26	10	20	31	24	16	14	24	4	4	....	....	....	21.4
Midland	Maximum	28	44	51	51	62	60	60	54	59	56	41	43	65	63	41	34	58	63	54	44	35	48	45	34	31	36	38	35	....	....	....	47.6
	Minimum	12	18	35	32	28	48	33	24	34	28	24	32	41	38	21	18	25	46	36	30	25	28	32	28	23	24	31	13	....	....	....	28.8
Mifflintown	Maximum	33	34	40	46	68	69	65	66	55	58	42	46	48	56	44	36	44	63	44	46	43	36	37	40	36	35	36	39	....	....	....	46.6
	Minimum	15	19	30	31	33	36	32	43	34	46	21	23	25	31	20	14	14	35	27	25	19	23	30	31	25	18	29	10	....	....	....	26.0
Montrose	Maximum	20	25	39	39	39	51	46	39	39	46	28	30	39	50	32	25	33	51	51	33	35	30	36	34	26	30	31	30	....	....	....	36.0
	Minimum	2	7	22	29	20	31	24	16	32	22	7	18	29	30	8	7	11	28	28	23	9	17	27	24	17	6	24	−1	....	....	....	18.5
Mount Pocono	Maximum	32	18	21	25	26	30	31	34	45	32	23	41	55	42	34	30	32	32	48	40	47	33	33	33	26	25	27	26	....	....	....	32 9
	Minimum	14	12	7	5	18	16	19	21	32	13	9	15	30	31	22	21	12	14	23	27	30	25	17	20	10	7	12	8	....	....	....	17.5
Muncy Valley	Maximum	29	29	38	42	39	42	50	45	39	43	28	30	38	47	37	33	36	52	44	33	35	32	35	34	30	31	32	32	....	....	....	37.0
	Minimum	8	9	25	31	18	28	32	18	29	28	14	21	29	31	12	10	11	32	32	21	9	14	30	28	18	6	26	1	....	....	....	20.4
New Castle‡	Maximum	27	28	44	54	39	63	56	43	57	55	37	33	59	69	45	29	38	53	62	42	32	35	44	34	32	28	35	35	....	....	....	43.1
	Minimum	6	10	27	32	26	35	32	20	25	28	25	28	32	36	20	16	19	35	35	30	21	28	32	25	17	20	27	10	....	....	....	24.7
Palmerton*	Maximum	26	32	42	45	40	56	50	45	45	51	27	34	39	57	27	32	38	58	47	37	34	35	38	36	30	33	36	31	....	....	....	39.3
	Minimum	16	14	31	31	24	26	31	24	34	24	19	23	33	31	18	16	15	35	35	25	11	13	34	29	22	15	30	10	....	....	....	23.9
Philadelphia*	Maximum	31	41	53	50	47	63	56	48	52	56	31	42	47	63	40	36	40	65	56	38	36	39	42	40	34	35	40	36	....	....	....	44.9
	Minimum	23	23	34	36	32	41	36	32	34	31	24	29	38	40	24	19	25	34	37	29	28	26	38	33	27	23	33	15	....	....	....	30.0
Phoenixville	Maximum	35	36	46	49	48	65	62	50	48	50	39	37	47	63	50	36	41	66	65	41	37	38	39	39	36	38	40	38	....	....	....	45.7
	Minimum	19	17	29	30	21	30	43	22	28	39	19	25	34	32	22	17	16	30	41	30	14	15	34	32	25	16	30	16	....	....	....	25.9

Continued on page 11.

Daily Temperatures for February, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Pittsburgh*	Maximum	25	44	50	43	63	60	46	57	58	54	32	45	66	61	28	35	59	65	46	40	34	45	43	32	26	34	34	20	....	....	....	44.5
	Minimum	11	20	38	30	29	46	30	25	41	29	28	31	45	28	19	15	26	44	38	28	22	31	32	24	20	23	18	11	....	....	....	27.9
Quakertown	Maximum	32	33	43	45	41	59	57	44	42	51	35	37	43	59	47	31	38	62	59	38	35	36	38	39	34	35	36	34	....	....	....	42.2
	Minimum	16	16	28	33	20	30	39	24	28	34	17	22	34	32	18	14	14	32	36	28	15	15	33	30	24	16	25	11	....	....	....	24.4
Reading*	Maximum	30	37	48	46	45	65	56	53	49	53	29	37	46	59	35	35	42	66	58	40	38	37	40	38	30	37	42	29	....	....	....	43.6
	Minimum	21	20	32	36	29	40	37	32	37	27	23	25	35	35	22	20	22	38	37	26	22	21	36	30	24	20	29	12	....	....	....	28.1
Retreat	Maximum	27	31	40	40	38	58	49	36	40	40	31	34	38	40	40	29	36	56	56	37	56	34	36	36	31	35	33	33	....	....	....	38.2
	Minimum	8	6	27	31	21	31	36	18	28	30	15	21	32	32	14	11	13	32	34	25	14	16	30	19	8	29	28	5	....	....	....	21.9
Ridgway‡	Maximum	30	26	38	45	35	55	57	43	52	50	35	28	48	59	41	29	36	51	59	38	31	38	41	36	33	26	32	34	....	....	....	40.2
	Minimum	2	2	20	31	22	30	32	14	15	29	18	20	27	36	13	8	10	25	35	28	8	10	27	26	14	10	21	3	....	....	....	19.1
Salisbury(near)	Maximum	28	33	44	44	54	58	48	54	54	53	30	46	59	56	36	38	53	64	52	36	42	36	41	29	22	28	29	25	....	....	....	42.6
	Minimum	7	19	28	28	30	39	28	25	36	30	19	22	34	29	17	17	24	40	36	29	23	26	29	21	14	17	24	5	....	....	....	24.9
Scranton*	Maximum	20	33	45	40	43	57	49	47	43	50	31	37	40	52	24	28	39	58	46	36	38	36	41	34	27	34	34	20	....	....	....	38.6
	Minimum	11	14	32	30	24	39	27	25	36	18	15	24	36	24	15	14	17	36	35	24	17	22	33	27	19	15	20	7	....	....	....	23.4
Selinsgrove	Maximum	31	33	40	42	45	47	47	49	49	42	41	33	45	46	47	46	40	60	60	38	35	36	37	47	35	32	35	34	....	....	....	41.9
	Minimum	22	26	30	28	23	32	37	23	35	35	20	22	31	35	11	14	32	30	34	30	12	12	32	30	21	11	29	8	....	....	....	25 2
Somerset	Maximum	28	34	45	45	55	58	51	56	59	54	35	47	60	59	40	39	55	62	54	38	46	46	41	32	26	31	31	31	....	....	....	44.9
	Minimum	8	17	29	27	28	41	28	19	24	30	20	22	35	34	16	9	17	41	38	31	21	22	32	26	15	17	25	5	....	....	....	24.2
State College	Maximum	28	31	42	48	41	59	51	52	52	53	34	35	58	54	33	35	39	62	56	37	32	32	39	35	29	33	35	36	....	....	....	41.8
	Minimum	10	19	29	31	24	35	33	22	36	31	19	22	32	33	17	14	19	32	33	26	10	15	30	28	16	13	26	4	....	....	....	23.5
Stroudsburg‡	Maximum	32	37	42	42	41	55	43	46	49	41	37	34	47	53	31	34	38	58	39	39	39	38	38	35	35	34	37	29	....	....	....	40.1
	Minimum	15	15	16	36	21	31	40	22	23	37	16	18	26	29	17	14	14	19	36	28	12	12	22	32	26	16	24	10	....	....	....	22.4
Towanda	Maximum	25	32	43	44	44	57	50	50	49	50	31	39	43	58	31	30	40	59	51	35	36	36	43	35	30	35	35	34	....	....	....	40.9
	Minimum	8	10	30	31	21	38	25	18	35	19	14	23	34	29	14	9	15	34	31	22	11	17	33	27	17	10	29	5	....	....	....	21.8
Uniontown	Maximum	30	49	53	49	66	65	55	61	60	58	37	58	70	64	45	40	65	70	61	50	38	47	46	36	30	34	35	35	....	....	....	50.2
	Minimum	6	16	39	33	29	51	34	24	34	35	31	36	50	41	24	16	27	53	40	34	28	31	35	29	22	24	31	14	....	.. .	....	31.0
Vaudergrift*	Maximum	29	46	45	46	66	64	58	61	63	62	35	44	74	70	35	38	62	71	54	45	43	49	52	38	33	37	40	26	....	....	....	49.5
	Minimum	10	19	38	29	27	49	27	23	33	29	28	31	41	28	19	18	23	46	39	28	22	26	32	25	20	23	19	10	....	....	....	27.2
Warren	Maximum	24	32	38	43	57	53	51	40	45	46	28	34	58	56	24	30	40	50	50	40	38	34	33	26	25	33	38	20	....	....	....	38.8
	Minimum	0	10	30	29	25	45	30	20	37	26	19	26	34	20	14	16	20	35	40	30	22	28	26	16	10	15	20	0	....	....	....	23.0
Waynesburg	Maximum	31	49	51	52	66	63	55	60	62	60	35	55	69	65	46	42	64	68	56	52	40	45	44	35	29	33	35	34	....	....	....	49.9
	Minimum	8	18	38	32	28	52	34	23	36	32	29	34	48	39	23	15	23	56	40	33	28	32	34	28	22	24	30	14	....	....	.. .	30.5
Wellsboro	Maximum	20	27	41	41	40	56	49	45	45	49	28	32	43	53	33	26	36	55	45	33	30	30	45	33	25	33	35	35	....	....	....	38.0
	Minimum	7	12	26	32	23	36	30	19	33	24	15	22	32	33	11	11	15	33	29	21	6	15	28	25	18	12	28	0	....	....	....	21.3
West Chester	Maximum	33	38	44	50	45	63	59	52	47	52	36	38	47	60	44	35	39	66	60	39	38	38	39	37	35	34	40	34	....	....	....	44.4
	Minimum	19	22	36	35	27	35	42	27	31	36	21	25	35	41	22	15	18	31	39	29	18	20	34	32	25	18	30	14	....	....	....	27.8
Williamsport	Maximum	29	31	41	43	42	51	46	45	44	48	33	32	38	47	42	34	37	50	44	36	35	33	37	37	32	34	35	36	....	....	....	39.0
	Minimum	12	17	30	35	24	37	38	23	33	31	18	23	31	33	15	15	19	35	35	27	12	18	31	30	23	14	30	6	....	....	....	24.8
Williamstown	Maximum	30	29	40	44	42	62	58	51	50	46	39	27	44	57	43	30	35	62	61	42	38	36	36	35	35	28	34	32	....	....	....	41.6
	Minimum	11	13	25	32	23	34	33	23	34	32	15	18	36	40	14	10	18	30	35	28	14	20	28	26	19	12	24	5	....	....	....	22.9
York	Maximum	32	37	45	47	45	66	62	52	56	55	40	34	50	63	50	35	44	68	64	42	38	38	40	39	36	36	39	38	....	....	....	46.1
	Minimum	17	19	31	30	23	31	40	23	32	39	23	27	33	40	24	18	17	31	41	33	20	21	34	33	26	17	32	16	....	....	....	27.5

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ª, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.19	30.81	1	29.36	27	14.1	38	se.	3	80	75	78	23
Harrisburg	30.21	30.79	2	29.40	27	7.8	30	nw.	28	72	61	64	45
Philadelphia	30.22	30.82	2	29.43	27	13.6	39	nw.	28	69	66	64	50
Pittsburgh	30.19	30.74	1	29.43	27	11.5	33	w.	6	81	68	74	31
Reading	30.22	30.81	2	29.40	27	11.7	54	e.	19	75	62	64	47
Scranton	30.22	30.78	2	29.35	27	7.4	30	uw.	28	72	64	66	52

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	4.2	6.1	8	3.1	28	18
Easton	Delaware	5.0	7.9	8	3.4	28	22
Lehighton	Lehigh	4.2	5.4	7	3.6	28	9
Wilkes-Barre	Susquehanna	8.1	12.9	15	5 6	28	20
Williamsport	Susquehanna	5.7	8.8	8	3.6	3	20
Harrisburg	Susquehanna	6.2	7.8	16	5.2	28	18
Greensboro	Monongahela	14.3	21.4	13	12.0	6	30
West Newton	Youghiogheny	2.9	5.3	14	1.6	6	20
Lock No. 4	Monongahela	15.5	20.5	13	12.7	6	30
Pittsburgh	Ohio	.....	20.1*	21	12.4*	3	25
Midland	Ohio	......	25.3*	21	12.1*	3	30

* Pool stage.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. MARCH, 1938. No. 3.

GENERAL SUMMARY.

Temperatures in March were above the normal about three-fourths of the time, with the mildest period from the 19th to 24th inclusive. From the 21st to 23d inclusive the excess averaged more than twenty degrees. Frosts did not penetrate the soil deeply at any time, and there was little in the ground after the 10th. The mild period, above mentioned, gave vegetation an unusually early start, and brought fears that later frosts might be disastrous. Light frosts did follow in some localities, but the damage was generally reported to be unimportant. The lower temperatures were enough to check the opening of the buds, but were not severe enough to do much harm. Most of the precipitation occurred before the 18th, and soaked the top soil to such an extent that the fields were unworkable, and unimproved roads were almost impassible. However, the sub soil was not soaked, and seepage dried the top soil rapidly when the rains diminished. As a result considerable plowing was done during the last week. The snowfall was the lightest for March since 1927. It was generally heaviest across the southern half of the State, while many stations in the northern half did not get enough to measure. The heaviest snowfall reported was at Holtwood, on the Susquehanna River, near the southern State line. It may be well to note here that the snowfall for January to March inclusive was only about forty percent of the normal for that period. The winter snows generally melted rapidly, and afforded very little covering for the fields of winter grain. However, the frost conditions were such that no damage resulted and the grains did not deteriorate. At the end of the month they were generally fair to good and improving. Reports on the condition of orchard fruits were more or less indefinite, and were not sufficient in number to afford reliable estimates. It is known that there was little or no winter killing of the trees. On account of greater seepage than is usual for March, the streams of the State remained at low to moderate stages, and there was none of the usual March freshets. The water supply was sufficient for all needs.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 42.7°, which is 5.0° above the 51-year normal for March. The highest monthly mean was 48.8°, at Uniontown, and the lowest was 33.6° at Gouldsboro. Extremes of temperature ranged from a maximum of 87° at Sharon on the 22d, to a minimum of —5° at Muncy Valley on the 1st. The greatest daily range in temperature was 54° at Lawrenceville on the 22d.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 167 stations, was 3.19 inches, which is 0.31 inch less than the 51-year normal for March. The greatest monthly amount was 5.89 inches at Hamburg and Mercer, and the least was 1.36 inches at Gouldsboro. The greatest amount for any 24 consecutive hours was 1.80 inches at Bloserville on the 14-15th, and at Hamburg on the 13th.

The average snowfall for the State was 2.0 inches, which is 5.6 inches below the 51-year average. The greatest total snowfall for the month was 6.0 inches at Holtwood. The greatest 24-hour snowfall was 4.5 inches at Bedford on the 10th.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	31.2	72	−6	3.55	9.9	11	6	10	13
1889	39.0	76	4	2.90	3.1	9	10	8	15
1890	33.2	76	−21	5.15	17.5	16	6	10	15
1891	33.8	60	−14	5.10	15.8	14	7	8	16
1892	31.8	66	−4	4.14	18.8	12	11	7	13
1893	34.8	74	3	2.52	4.8	11	9	9	13
1894	43.2	84	−2	1.63	1.3	8	12	11	8
1895	33.8	70	−4	2.31	9.0	11	10	10	11
1896	30.6	69	−18	4.51	21.1	11	11	8	12
1897	39.0	75	−5	3.22	3.4	13	11	7	13
1898	44.0	83	4	4.31	3.6	12	10	8	13
1899	36.3	75	3	4.87	7.9	14	5	9	17
1900	31.2	66	−23	3.61	13.1	10	10	9	12
1901	37.4	80	−11	4.14	3.3	13	7	10	14
1902	41.3	78	2	3.98	12.6	11	10	9	12
1903	46.4	83	14	4.52	0.1	11	10	7	14
1904	36.0	80	−2	4.29	4.7	12	9	8	14
1905	39.0	86	−18	3.86	4.1	11	12	8	11
1906	31.7	68	−13	4.46	20.4	14	8	7	16
1907	41.8	92	−10	4.26	9.3	12	11	8	12
1908	40.7	83	−4	4.76	3.7	12	11	8	12
1909	35.6	74	−5	3.07	7.3	12	10	9	12
1910	44.9	88	5	0.56	1.0	5	15	10	6
1911	35.0	73	−18	2.57	10.1	13	11	8	12
1912	33.6	72	−8	5.05	6.9	13	10	8	13
1913	42.1	81	−7	5.27	2.1	13	9	8	14
1914	34.2	79	−12	2.61	13.4	10	10	8	13
1915	32.9	62	−4	1.28	9.5	7	15	8	8
1916	30.7	84	−31	4.12	17.6	12	12	8	11
1917	37.3	84	−12	3.68	12.7	14	11	8	12
1918	41.6	82	0	2.34	1.5	8	17	7	7
1919	41.1	79	6	3.57	2.4	10	15	7	9
1920	38.7	80	−11	2.83	6.4	9	16	7	8
1921	48.0	88	7	3.33	1.0	14	12	9	10
1922	40.0	81	−5	4.37	6.1	14	11	6	14
1923	37.0	80	−8	2.49	6.2	11	13	8	10
1924	36.1	78	3	2.83	10.3	9	12	9	10
1925	40.9	79	−15	2.56	2.2	10	14	6	11
1926	33.1	79	−16	1.91	4.0	10	14	8	9
1927	42.0	82	−6	2.61	0.7	10	13	7	11
1928	37.0	82	−3	3.24	14.5	11	12	9	10
1929	43.7	89	−5	2.69	4.4	12	12	8	11
1930	37.9	78	−9	3.03	4.9	10	13	7	11
1931	36.3	69	10	2.96	6.6	11	8	7	16
1932	33.4	72	−8	4.41	14.7	11	10	8	13
1933	36.6	79	−7	5.33	5.6	14	8	7	16
1934	34.9	78	−22	2.96	7.7	12	12	7	12
1935	42.8	83	−6	2.62	2.9	12	11	7	13
1936	42.6	84	−3	6.84	7.4	15	9	7	15
1937	34.2	67	−3	2.00	8.3	10	11	8	12
1938	42.7	87	−5	3.19	2.0	14	10	8	13
Period	37.7	92	−31	3.50	7.6	11	11	8	12

Climatological Data for March, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	42.2	+3.8	82	22	8	4	42	2.13	−1.27	0.75	1.3	12	15	13	3	ne.	John A. Frick.
Altoona	Blair	1,615	51	41.1	+3.6	81	22	5	4	38	3.51	+0.23	0.72	3.0	11	14	8	9	w.	John J. Martin.
Ardmore	Montgomery	350	18	43.6	+2.3	78	22†	8	4	38	2.19	−1.94	0.70	1.9	12	8	9	14	......	H. L. Balderston.
Arendtsville	Adams	700	16	42.6	+3.1	82	22	7	4	41	3.50	+0.02	1.73	4.0	12	12	5	14	nw.	Harold J. Miller.
Bedford	Bedford	1,060	6	44.4	....	83	22	10	11	46	3.59	....	1.15	4.5	13	8	5	18	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	43.4	+2.8	81	22	5	4	38	2.16	−1.08	0.49	1.3	14	14	4	13	w.	Lehigh University.
Carlisle	Cumberland	467	72	44.4	+5.7	86	22	9	4	47	3.15	−0.16	1.38	3.0	11	13	4	14	nw.	Prof. C. E. Miller.
Center Hall	Center	1,272	42	42.3	+5.7	83	23	14	1	36	3.55	+0.52	1.18	3.0	11	15	6	10	......	Edward E. Bailey.
Chambersburg	Franklin	580	39	44.8	+5.0	84	22	11	4	43	2.83	−0.44	0.77	2.7	14	11	4	16	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	38.2	+0.9	80	22	2	4	49	4.37	+0.69	0.68	3.0	15	11	8	12	w.	E. W. Hess.
Coatesville	Chester	380	51	41.6	+1.7	79	22†	7	4	35	2.79	−1.23	0.83	3.3	13	11	3	17	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	41.3	+2.2	79	28	7	4	37	2.94	−0.89	0.62	2.4	13	11	4	16	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	41.2	+5.8	84	22	0	4	52	2.79	−0.84	0.75	0.1	15	12	6	13	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	44.4	+4.3	86	22	10	11	44	2.52	−0.81	0.63	2.1	12	12	5	14	s.	Ira J. Keath
Freeland	Luzerne	1,970	45	36.8	+3.8	76	22	2	1†	33	2.58	−1.79	0.48	1.2	12	6	1	24	w.	Andrew B Evausha
George School	Bucks	190	32	43.5	+2.8	79	22†	9	4	39	1.95	−1.73	0.49	3.0	14	13	5	13	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	46.0	+5.7	82	22	7	4	40	3.50	−0.02	0.83	4.2	14	13	6	12	se.	Dr Henry Stewart
Gordon	Schuylkill	840	34	41.0	+4.1	82	22	4	4	44	2.54	−0.35	0.77	3.0	13	10	7	14	sw.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	33.6	+3.3	69	22	−3	4	41	1.36	−2.40	0.61	1.0	8	15	5	11	w	Ronald H. Marshall.
Hamburg	Berks	535	45	43.8	+5.3	82	22	9	4	39	5.89	+2.02	1.80	1.5	15	12	8	11	w.	State Sanatorium.
Hanover	York	600	34	46.2	+3.7	84	22	10	4	35	3.33	+0.02	0.75	5.0	14	14	5	12	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	44.6	+5.7	80	22	13	4	31	2.83	−0.21	1.22	2.3	12	5	10	16	w.	U. S. Weather Bureau.
Hawley	Wayne	900	20	38.3	+3.3	81	22	−1	4	52	1.76	−1.14	0.41	1.7	11	14	11	6	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	44.6	+3.1	75	21†	10	4	31	2.55	−0.47	0.98	6.0	16	13	6	12	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	51	42.6[a]	+3.8	85[a]	22	5[a]	4	50[a]	3.66	+0.20	0.83	2.5	12	10	6	15	e.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,694	7	39.4	....	80	22	1	4	41	2.87	....	0.83	1.0	14	4	8	19	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	43.5	+3.8	84	22	0	4	47	2.89	−0.43	0.79	5.0	15	14	7	10	nw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	41	40.4	+5.6	85	22	−3	4	54	1.62	−0.68	0.50	2.0	7	8	13	10	......	C. P. Darling.
Lebanon	Lebanon	469	54	42.4	+3.1	84	22	10	4	41	3.07	−0.41	1.07	1.7	16	13	8	10	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	43.2	+4.6	81	22†	4	4	43	3.42	+0.05	0.89	0.5	15	6	15	10	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	12	48.0	+3.5	79	21	13	3	31	1.66	−1.91	0.48	2.0	10	14	4	13	sw.	Sun Oil Co.
Mifflintown	Juniata	445	35	43.2	+4.0	84	22	8	4	46	3.72	+0.66	1.02	3.0	10	10	11	10	nw.	Andrew McNeillie.
Montrose	Susquehanna	1,620	33	37.7	+5.4	78	22	−4	4	34	1.60	−1.07	0.38	1.5	10	4	8	19	s.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	34.3	+2.2	73	22	−3	1†	30	4.00	+0.44	1.30	1.0	8	15	6	10	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	26	36.4	+1.1	66	25	−5	1	48	1.99	−1.04	0.74	T.	5	17	7	7	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	43.0	+3.6	83	23	8	4†	44	1.74	−2.01	0.53	1.2	11	14	0	17	e.	Philadelphia Sub. Water Co.
Palmerton	Carbon	398	20	41.4	+3.8	80	22	6	4	43	2.37	−0.67	0.56	T.	11	12	9	10	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	45.8	+5.0	79	22	13	4	35	1.83	−1.56	0.51	1.9	13	8	9	14	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	28	44.4	+3.3	80	22	10	4	43	2.38	−1.26	0.59	1.5	12	14	8	9	w.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	53	41.8	+4.4	78	22	5	4	42	2.37	−1.42	0.61	1.8	12	11	8	12	nw.	John E. Benner.
Reading	Berks	273	68	45.6	+5.6	83	22	10	4	35	2.45	−1.07	1.01	2.1	14	8	9	14	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	5	39.2	....	80	23	3	4	46	2.14	....	0.57	3.0	10	16	5	10	ne.	Theodore J. Sampson.
Scranton	Lackawanna	746	44	41.8	+6.1	82	22	5	4	41	1.50	−1.70	0.54	2.0	10	5	10	16	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	41.8	+3.2	81	23	7	4	40	3.21	−0.31	0.60	2.0	15	4	12	15	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	42	44.8	+2.1	77	22†	12	4	34	2.08	−1.39	0.60	1.2	14	7	11	13	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	43.8	....	81	22†	15	1†	41	3.36	....	0.72	3.5	13	7	5	19	ne.	State Teachers College
State College	Center	1,217	54	40.9	+4.7	82	22	3	4	43	3.41	+0.07	0.76	1.0	16	11	9	11	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	39.8	+3.4	79	22†	3	4	45	2.23	−1.28	0.56	0.5	12	15	3	13	w.	State Teachers College
Towanda	Bradford	754	44	41.6	+6.4	82	22	1	4	49	1.71	−0.88	0.55	2.5	10	6	10	15	e.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	39.7	+6.7	80	22	−1	3	49	1.91	−0.75	0.72	2.5	8	19	3	9	n.	George W. Hill.
West Chester	Chester	455	89	44.4	+5.3	81	22	8	4	37	2.51	−1.32	0.64	3.0	13	13	8	10	sw.	Harlan Saylor.
Williamsport	Lycoming	521	52	42.6	+5.0	82	22	4	4	45	2.47	−0.75	0.76	T	12	10	9	12	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	41.6	+2.5	81	22	5	4	39	2.07	−1.20	0.58	2.0	14	8	7	16	sw.	Susquehanna Collieries Co
York	York	400	50	44.7	+4.0	84	22	2	4	44	2.87	−0.24	0.76	4.0	14	15	7	9	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	37.4	+3.8	80	22	6	4	47[a]	5.02	+1.77	1.45	......	18	10	8	13	......	Frank S. Fawcett.
Butler	Butler	1,077	25	43.8[a]	+5.7	82[a]	22†	16[a]	11	44	3.19	−0.25	......	1.0	11	12	8	11	nw.	William C. Faust.
Chambersville	Indiana	1,047	37	43.4	+4.6	83	22	9	4	47	4.92	+1.17	0.81	2.0	17	10	4	17	sw.	John E. Lewis.
Clairton	Allegheny	1,020	6	45.3	....	80	22	14	1	35	3.36	....	0.74	2.5	13	6	6	19	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	47.0	+5.8	84	22	13	4	46	4.07	+0.74	0.75	2.0	18	10	9	12	s.	J. L. Melvin.
Corry	Erie	1,430	25	40.5	+7.5	82	22	−2	4	47	3.98	+0.17	1.10	T.	10	17	10	4	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,765	11	38.8	....	81	22	−3	4	52	3.02	−0.29	0.84	1.0	14	10	5	16	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	41	46.8	+6.9	83	22	14	1	44	3.37	−0.49	0.74	0.3	17	6	13	12	sw.	Ted R. Wineman.
Donora	Washington	762	12	48.0	+5.7	85	22	20	4	41	3.26	−0.25	0.60	1.8	18	9	8	14	sw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	40.6	+4.5	75	23	8	1	42	2.93	−0.71	0.62	3.0	17	12	7	12	w.	D. H. Jones.
Franklin	Venango	957	64	38.8	+3.2	81	22	6	1	49	3.98	+0.63	1.50	T	14	7	1	23	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	46.2	+6.1	82	22	15	1†	39	4.03	+0.61	0.71	3.2	16	6	10	15	sw.	Westmoreland Water Co
Greenville	Mercer	950	42	44.4	+7.8	84	22	8	4	45	4.12	+0.75	0.82	T.	12	11	6	14	.....	Charles P. Clarke.
Grove City	Mercer	1,256	31	43.4	+6.0	80	22	10	4	39	4.72	+1.40	0.94	0.2	16	9	8	14	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	14	45.6	+5.7	82	22	14	1	42	4.09	+0.87	0.79	2.0	19	17	11	3	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	45.6	+6.3	85	22	15	1	46	5.10	+0.60	0.98	3.0	19	8	9	14	n.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	6	39.4	....	80	22	−3	4	45	4.49	....	1.14	1.2	19	9	7	15	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	46	45.6	+5.9	80	22†	12	1†	40	4.99	+1.06	1.20	2.0	16	3	12	16	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	40.0	+5.0	81	22	7	3	44	3.33	−0.05	0.84	T	13	7	9	15	s.	Paul F. Coy
Midland	Beaver	691	1	45.7	....	81	22	13	4	40	5.04	....	1.23	1.0	18	6	8	17	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	42.6	+5.7	84	23	10	4	40	5.25	+2.21	0.99	T.	17	10	10	11	sw.	New Castle Water Co.
Newell	Fayette	800	18	47.2	+5.4	84	23†	15	1	44	3.73	+0.62	0.60	......	16	12	16	3	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	45.4	+5.8	82	22	16	1	33	3.21	+0.18	0.74	0.8	17	4	11	16	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	36.1	+2.2	80	23	4	1†	47	3.04	−0.21	1.36	T.	14	8	3	20	s.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	41.6	+5.2	76	22	8	1	40	3.89	−0.42	1.22	5.6	20	3	13	15	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	25	47.8	+9.9	87	22	12	4	39	5.64	+2.88	1.20	T.	13	10	11	10	s.	Harry H. Gerber.
Somerset	Somerset	2,190	71	41.1	+5.2	73	21	9	1	52	4.14	−0.58	0.98	4.5	17	2	11	18	sw.	D. L. Grove.
Uniontown	Fayette	1,100	50	48.8*	+7.3	84	22	15	1	44	4.02	+0.03	1.02	2.5	18	8	15	8	s.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	24	46.6	+6.5	85	22	15	4	46	2.66	−0.86	0.60	T	12	11	14	6	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	38.4	+3.9	75	23	0	4	42	3.30	−0.02	0.88	2.4	15	8	10	13	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	7	48.2	....	82	22	14	1	41	4.48	....	0.94	2.0	13	3	18	10	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	40.8	+7.3	82	22	1	4	36	2.96	+0.34	0.85	1.1	17	6	10	15	w.	U. S. Weather Bureau.
For the State		....	51	42.7	+5.0	87	22	−5	1	54	3.19	−0.31	1.80	2.0	14	10	8	13	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-5-18-38-1050.

Daily Precipitation for March, 1938

Stations	Drainage Basin	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Atlantic Drainage.																																	
Allentown	Lehigh					.11	.05				T	.18	T.	.03	.28	.75	.04	.27	.19		T.				T.		T.	.05			.01	.17	2.13
Altoona	Juniata			T.		.22	.27				.30			.25	.72	.27	.47	.16						T.	T.		.25			T.	.26	.84	3.51
Ansonia‖‖	W. Br. Susq			T.		.23	.68			T.			.01	.06	.06	.20	.01	.05	.12					.05	.11		.09		T.		T.		1.67
Ardmore‡	Lower Del			.04		.30			T.		.18			.30	.65	.07	.13	.30			T			.01			.03				.16	.02	2.19
Arendtsville.‖‖	Lower Susq		T.	.09	.06	T.					.14		T.		.39	1.73	.18	.10	.16						.10		.19				.29	.07	3.50
Baker's Summit	Juniata			.08		.23	.07				.20		.06	.05	.81	.38	.44	.38	.03		.05				.06					.02	.20	.88	3.39
Bald Eagle ‡	Middle Susq					.69	.06				.14	.04		.33	.77	.10	.36	.08									.42				.30	.52	3.81
Bedford	Juniata			T.		.17	T.				.50	T.	.06	.05	.75	.40	.36	.44	.06					T.	.11		.14			T.	.25	.80	3.59
Bellefonte	W. Br. Susq					.63	.12				.09	T.	T	.18	.71	.20	.33	.26	.03					.03			.21			.08	.19	.27	3.28
Berwindale‡	W. Br. Susq				.02	1.02	.02				.20	.05	.03	.65	.82	.03	.27	.18	.02							.01	.21				.40	.83	4.26
Bethlehem	Lehigh					.15	.02	T			.09			.15	.49	.44	.26	.13	.21		.01				.01		.03				.01	.16	2.16
Big Knob‖‖	Middle Susq					.07	.06				T.	.24	.02		.30	.95	.22	.13	.31						.16		.16				.22	.46	3.80
Bloserville‡‡	Lower Susq			T		.15	.09				.24			.32		1.80	.22	.21							T.		.12		T.	T.	.08	.14	3.87
Buffalo Mills‖‖	Potomac					.25	.05				.23				.26	1.14	.15	.08	.55						.11	.15						.38	3.27
Carlisle	Lower Susq			T.	T.	.19					.28			.12	.68	.70	.28	.16	.03					T.			.26			T.	.15	.80	3.15
Carter Camp‡	W. Br. Susq				.04	1.36	.01							.25	.38	05	.28	.05	.06					.34			.29					.16	3.27
Center Hall	Susquehanna		T.	.02		.18						.30		.05	1.02	1.18	.48	.04	.10											.03		.15	3.55
Chambersburg	Potomac			.02		.14					.24	T.	.02	.21	.77	.29	.22	.18	.07						.03		.15			T	.14	.35	2.83
Clearfield	W. Br. Susq			.06		.68	.52				.06			.40	.65	.12	.20	.35	.16					.12	.21		.22				.06	.56	4.37
Coatesville	Lower Del			.03		.21	.01				.20			.26	.83	.32	.43	.12							T		.08			.01	.20	.09	2.79
Colebrook	Lower Susq			T.		.10	.02				.19	T.	T.	.30	.62	.61	.38	.22	.07						.04		.10			T.	.12	.17	2.94
Conshohocken	Schuylkill			.07		.10	.11				.28			.01	.55	.17	.12	.26	.03						.08		.06				.09	.06	1.94
Doylestown	Lower Del					.17					.09			.30	.58	.39	.33	11	.19						T.		T.			T.		.08	2.24
Driftwood‡	W. Br. Susq				.02	1.47								.16	.53		.07	.12						.22		.01	.19						§
Du Bois	W. B. Susq		T.	.07		.87	.64		T.		.06	T.	.65	.42	.72	.10	.07	.15	.02		.02			.16		.14			T	.08	.76	.12	5.05
Emporium	W. Br. Susq		T.	.01		.75	.38		.01				.01	.07	.54	.02	.13	.16			T.			.27	.02		.27			.01		.14	2.79
English Center‡	W. Br. Susq				.02	1.07	.01							.08	.52		.13	.15						.30			.20						§
Ephrata	Lower Susq			.01		.11	.01				.16	T.		.34	.63	.45	.39	.20			T				T.		.05			T.	.07	.10	2.52
Forest City‖‖	N. Br. Susq		T.			.29	.43	T.	.12			.05		.13	.24	.18	.08	.16	.16							.06	.02	.12	02				2.06
Fredericksville	Schuylkill			T		.18	.04				.14		T	.14	.57	.55	.15	.05	.16		.02				T.		.02			T.	T.	.13	2.15
Freeland‖‖	Lehigh					.10	.44	T.	T.	T.	T.	T.	.05	.02	.35	.48	.02	.42	.20		T.	T.			.02			.14			T.	.34	2.58
Galeton	N. Br. Susq		02	T.		1.10	.32	T.	T.	T.	.01		.10	.04	.33	.02	.07	.05	.10		T		.04	.37			.03			T.	T.	.07	2.67
George School	Lower Del			T.		.19	.09				.18		.03	.14	.49	.38	.26	.06	.06		01				.01		T.			.02		.03	1.95
Gettysburg	Potomac			.14		.18	T.				.29			.09	.83	.58	.20	.24	.03						.07		.14			.02	.16	.53	3.50
Girardville‖‖	Lower Susq					.41					.28	.04		.48	.78		.26	.18						.03			.19				.18	.04	2.87
Gordon	Lower Susq	.11				.25	.04				.12		.06	.28	.77		.22	.05	.22						.05		.14				.23		2.54
Gouldsboro‡‖	Lehigh					.28	.33						T.		.14	.30	.10	.08	.05						T.							.08	1.36
Graterford	Schuylkill			T.		.14					.11			.04	.29	1.23	.12	.09	.31		.02				T		.05				.02	.06	2.48
Hamburg	Schuylkill					.16	.05				.10		.03	1.80	.60	.29	.29	1.00	1.20		.01				.12		.08				.03	.13	5.89
Hanover	Lower Susq			.15	.01	.15					.33		T.	.15	.75	.68	.16	.17							.06		.12			.01	.25	.34	3.33
Harrisburg***	Lower Susq			T	T.	.18					.23	T.		.29	.93	.32	.19	.20						.01	.02		.11			T.	.21	.14	2.83
Hawley‖‖	Upper Del					.41	.35			T.			T	.05	.03	.30	.06	.18	.26						T.		T.	T.	.02		.02	.08	1.76
Hollisterville‖‖	Upper Del			T.		.21	44	T	T	T.	T	T		.09	.10	.33		.27	.07			T			.02	T.	T.	T.	.02		.07	.05	1.67
Holtwood‡‡	Lower Susq				.14	.11	T.				.05	.42		.02	.25	.98	04	.21	.03		.01				.03		.04	.02			.02	.18	2.55
Huntingdon	Juniata				T	.41	.02				.28	T.		.33	.83	.05	.48	.26							.05		.34			T.	.22	.39	3.66
Huntsdale‡	Lower Susq		.04	.05		.16					.13			.27	1.03	.20	.06	.12						.04		.05	.08				18	.10	2.51
Hyndman‖‖	Potomac				T.	09		T	T		.10	T.	T.		.09	.96	.09	.04	.55		.03			T	.22		.12	T			.04	.50	2.83
Kylertown	W. B. Susq		T.	T.		.71	.26	T	T.		.09	T.	.05	.20	.60	.03	.09	.13	T.		T.			.04	.03		.17			T	.04	.43	2.87
Lakeville‖‖	Upper Del					.53	.29					T	.01	.05	.03	.29	.03	.18	.25								.01			.02		.10	1.79
Lancaster	Lower Susq			.05		.12	.02				.22	T.		.29	.79	.51	.33	.18	.03		.03				.01		.10				.06	.15	2.89
Lansford‖‖	Lehigh					.18	.24				T.	.20	.02		.58	.59	.13	.21	.16						.16		.03	.02			.12	.19	2.83
Lawrenceville	N. Br. Susq		T.			.42	.50		T.				T.				.20	.10	T.					.10	.25		T.					.05	1.62
Lebanon	Lower Susq			T.	.09	03				.02	.16	T.	.05	.43	1.07	.27	.21	.30		T.				.04		.11	.03			.02	.17	.07	3.07
Lehighton‖‖	Lehigh					.07	.43				.19			T	.45	.89	.07	.14			T.	T.			.97		T.	.20			T	.31	3.72
Lock Haven	W. Br. Susq					.89	.30				.03			.20	.61	.23	.35	.09	.18		.01			.01	.05		.14				.02	.31	3.42
Marcus Hook	Lower Del			.04			.32				.05		T.		.19	.48		.32			T.				.05		.04			.01		.16	1.66
Matamoras‖‖	Upper Del					.52									.20	.23		.26	.28												.14	.05	1.68
Mauch Chunk	Lehigh					.66	T.				.11			.37	.49		.50	.17	.11						T.		.13					.21	2.75
Mifflintown	Juniata					.86					.30	.06		.42	1.02		63	.32									.16				.10	.35	3.72
Millersburg‡	Lower Susq					.20					.12			.26	.74	.05	.06	.23									.11					.23	2.00
Millville‡	N. Br. Susq					.74	.04							.26	.47	.02	.25	.27						.07			.12				.04	.20	2.48
Montrose	N. Br. Susq					.38	.31			T		T.	.02	.09	07		.15	.08	.30								.02	T.				.18	1.60
Morris Run	N. Br. Susq			.04		.52	46						.02		.54		.12	.18							.26		.06	T.				.04	2.24
Mount Pocono	Upper Del					.05								.30	.20		1.30	1.00									.25				.20	.70	4.00
Mt. Union‡	Middle Susq		.01	.02	.03	.27					.22			.22	.81	.18	.38	.36			.01	.05		.04			.30				.63	.13	3.66
Muncy Valley	W. Br. Susq					.60			T	T					.74		.22	.26									T.					17	1.99
Neshaminy Falls‖‖	Lower Del			T.		.20	.10				12	.01	T.	.26	.53	.20	.19	.11			T.				.01		T			T	.01	T	1.74
New Bloomfield	Juniata					.16					.25	T		.26	.66	.35	.49	.25	.02								.18	.02		T	.22	.41	3.20
New Park	Lower Susq			.19		.06					24			.30	1.00	.12	.08										.37					.42	2.78
Newport‖‖	Juniata					.14	.14					.25		.07	.40	.82	.27	.30	.27						.05		.15	.04			.02	23	3.15
Orwigsburg	Schuylkill					.26		T.			.20	.18		.24	1.13		.24	.48			T.				.10		.08					.21	3.12
Palmerton‡	Lehigh				T.	.44				T.	.06	T.	T	.45	.56	.06	.32	.12		T.	T.				.04		.18			T	.02	.12	2.37
Paupack‖‖	Upper Del					.45	.16							.10	.08	.20	.08		.46													.09	1.62
Philadelphia***	Lower Del		T.	.05		.14	.08		T		.22	T.	T.	.19	.45	.06	.16	.28			T.				.04		.03			T	.12	.11	1.83
Phila. Navy Yard ‡.	Lower Del			.05		.17	03				.17	T.		.24	.31	.11	.08	.22			T				.01		.01			T	.22	T	1.62
Phila-P'nt Breeze.‡	Lower Del			T		.06	.15		T.		.07	T			.25	.49	.08	.14	.10		T				.04		.01			.01	.11	.05	1.56
Phoenixville	Schuylkill			.01		.17					.15	T.		.11	.59	.51	.37	.15	.13						05		T			T.	.06	.08	2.38
Pine Grove	Lower Susq					.19					.04	.07		.30	.90	.13	.35	.18						.06	.09		.18				.10	.13	2.72
Pleasant Mt	Upper Del					.92						.12			.53			.47						.09				.11				.40	2.64
Pottstown	Schuylkill																																......
Pottsville	Schuylkill					.22					.17		T.	.22	.63	.45	.21	.06	.09						.15		.10				.02	.11	2.43
Quakertown	Lower Del			T.		.16					.16			.19	.61	.58	.31	.12	.06		T.				.02		.01				.01	.14	2.37
Reading***	Schuylkill			T.		.07	.03				.17	T.	.02	.34	.70	.31	.28	.28			.01			T	.02		.02			T.	.05	.15	2.45
Renovo‖‖	W. Br. Susq			.01		.28	1.41							.09	.21	.51	.07	.10	.15						.24		.10	.04			.02	.09	3.32
Retreat	N. Br. Susq					.57	.07				.02			.26	.33		.30	.12	.18								.18					.11	2.14
Scranton***	N. Br. Susq		T.		.03	.53	.05	T	T.	T		T.	T.	.08	.38	T	.14	.17			T.			.05	T.		T	T.		.01	T	.06	1.50
Sellnsgrove	Lower Susq		.02			.25	.05				.17		.03	.18	.60	.52	.50	.30	.03						.12		.11				.11	.22	3.21
Sellersville‡	Lower Del					.29	.03				.14			.38	.75	.29	.30	.16							.05	.06					.01	.09	2.58
Shade Gap‡	Middle Susq	.02	.03			.19					.16			.24	.86	.12	.40	.25	.06					.11			.26				.43	.17	3.30
Shawmont	Schuylkill			.02		.20	.07				.14		.02	.04	.60	.40	.22	.11	.12								.02				.08	.04	2.08

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq	....	....	.02	....	.28	T.	....	....	....	.25	....	T	.18	.65	.72	.28	.18	.08	....	....	....	....	....	.03	....	.22	....	....	T.	.18	.29	3.36
State College	W. Br. Susq	....	T.	.02	....	.37	.28	T	....	....	.10	.02	T.	.33	.76	.18	.41	.17	....	....	T	....	....	.05	.07	T.	.23	....	....	.02	.06	.34	3.41
Stroudsburg||||	Upper Del	....	....	....	....	*	.56	....	T.	....	.04	....	....	*	*	.91	....	.28	.24	....	....	....	....	....	.02	....	.03	....	....	....	.01	.14	2.23
Sunbury||||	Lower Susq	....	....	....	....	.05	.34	....	....	....	T.	.17	.03	T.	.35	.86	.31	.21	.37	....	....	....	....	....	.22	....	.08	.07	....	....	T.	.42	3.48
Susquehanna||||	N. Br. Susq	....	....	.01	....	.25	.55	T.	T.	T.	....	....	.08	.12	.01	...	T	.09	.19	....	....	....	....	...	T.	....	....	....	.05	....	.06	.06	1.47
Towanda	N. Br. Susq	T.	T.	T.	....	.55	.14	T.	T	T.	....	T.	T.	.03	.23	....	.13	.40	....	T.	T	T.	....	T.	.06	....	T.	T.	T.	.02	.01	.14	1.71
Weikert	Lower Susq	....	....	....	....	.55	.13	....	....	.10	....	....	....	T.	.69	.51	.50	.25	....	...	....	....	....	....	....	....	.18	....	....	....	.15	.28	3.34
Wellsboro	N. Br. Susq	....	T.	T.	....	.72	....	....	.24	...	....	T.	.01	....	.42	....	.13	.10	....	....	....	....	....	.09	.20	..	T.	....	....	T.	....	....	1.91
Wernersville[near]	Schuylkill	....	....	T	....	.18	....	....	....	..	.30	T.	.10	T.	.85	.45	.10	.14	.12	....	T.	....	....	T.	.01	....	T.	..	....	T.	.10	.20	2.55
West Chester	Lower Del	....	....	.10	....	.16	.09	....	....	....	.22	....	....	.10	.64	.31	.30	.18	....	....	.02	..	....	....	....	....	.10	....	....	T.	.25	.04	2.51
Westgrove||||	Lower Del	....	....	....	.10	.13	....	.13	....	....	T.	.43	T.	....	.29	.58	.07	.22	.16	....	.04	T.	..	....	....	....	.08	.03	....	....	....	.40	2.66
Wilkes-Barre||||	N. Br. Susq	..	....	....	....	.05	.25	T.	....	T.	T.	....	T.	.03	.04	.51	.05	.06	.21	....	....	....	....	...	.03	....	.19	T.	T.	....	....	.10	1.52
Williamsport||||	W. Br. Susq	....	....	....	....	.22	.76	....	....	T.	....	....	....	.05	.18	.44	.03	.02	.49	....	....	....	....	...	.03	..	.13	....	....	....	.02	.10	2.47
Williamstown	Lower Susq	....	....	....	....	.01	.05	....	....	..	.14	....	.01	.12	.58	.29	.19	.03	.14	....	....	....	....	....	.08	...	.17	....	....	....	.09	.17	2.07
York	Lower Susq	....	....	.13	....	.18	.02	....	....	...	.26	....	....	.24	.76	.46	.21	.19	.03	....	....	....	....	....	.02	....	.12	....	....	....	.03	.22	2.87
York Haven||||	Lower Susq	....	....	....	T.	.18	.10	....	....	....	.04	.16	....	.04	.33	1.03	.21	.20	.16	....	....	....	....	....	.08	....	.12	.04	....	....	.01	.16	2.86
Zionsville..(near)	Schuylkill	....	....	T.	.02	.15	.30	....	....	....	.33	....	..	.06	.92	.64	.36	.41	.25	..	....	....	....	....	....	....	.05	..	....	....	....	.04	3.53
Trenton, N. J***	Lower Del	....	....	T.	....	.22	.10	....	....	....	.16	T.	....	.13	.51	.19	.17	.05	T.	....	T.	....	....	....	.01	....	T	....	....	T.	T.	.05	1.59
Ohio Drainage																																	
Beaver Falls||||	Beaver	....	....	.14	....	03	.57	T	....	....	.10	T.	.01	.02	.61	.74	.03	.30	T.	....	T.	....	....	.03	.27	T	.09	T.	....	....	.26	.50	3.70
Blairsville	Allegheny	....	....	.12	T.	T.	1.01	T.	..	....	.17	T.	.11	T.	.73	.61	.33	.46	.18	T.	....	....	....	.03	.06	.02	.11	.04	....	....	.17	.33	4.48
Bradford	Allegheny	....	.07	.12	....	.75	.62	...	T.	....	....	T.	T.	.08	...	....	T.	.36	....	....	T.	....	....	T.	.25	....	.12	....	....	T	T.	.46	2.83
Brookville||||	Allegheny	....	....	.22	....	.42	1.45	...	....	....	....	....	.09	.06	.88	.62	.02	24	.02	....	.03	.02	....	.08	.45	....	.07	.01	....	....	.10	.24	5.02
Buckstown‡	Allegheny	....	....	.03	.07	.37	.04	....	.02	....	.09	.05	..	.29	.94	.05	.32	.14	.06	....	...	....	....	.30	.02	....	.16	..	....	.04	.60	.20	3.79
Butler	Ohio	....	.10	....	....	.40	.35	....	....	....	.05	....	..	*	1.20	.23	...	.38	....	....	T.	....	....	....	.18	....	.18	....	....	.12	....	....	3.19
Chambersville	Allegheny	....	T.	.12	....	.36	.59	.21	....	....	.13	.03	....	.66	.81	.14	.32	.16	....	....	....	....	....	20	.07	....	.12	....	....	.05	.28	.67	4.92
Clairton‡	Monongahela	....	.05	T.	.05	.61	....	....	....	....	.25	....	....	.20	.74	T	.20	.33	....	....	....	....	.03	.09	T.	T.	T.	....	....	.13	.10	.58	3.36
Clarion	Allegheny	....	....	....	....	.28	1.28	..	....	....	....	....	.08	.09	1.07	.73	.03	.41	.01	....	....	.02	....	.19	.27	....	.09	....	....	....	.08	.28	4.91
Claysville	Ohio	....	T.	.04	T.	.01	.53	....	....	....	.19	.01	T.	.37	.75	.04	.33	.30	.01	....	.02	....	....	24	.04	....	.11	....	....	.13	.55	.40	4.07
Confluence||||	Youghiogheny	T.	....	.04	T.	.17	.55	T.	T.	....	.20	.06	.20	....	.45	1.30	T.	.21	.05	....	....	....	...	....	.42	....	.12	.05	....	....	.20	.50	4.52
Connellsville	Monongahela	....	....	.11	T.	.03	.78	T.	.01	....	.06	T.	.07	T	.31	1.01	31	.24	T.	....	....	....	....	.02	.05	....	.01	....	..	....	T.	.11	3.12
Corry	Allegheny	....	.16	....	....	....	1.10	....	....	....	...	T.	....	.07	....	....	.78	.68	....	...	....	....	....	.15	.35	....	.27	....	....	.10	....	.32	3.98
Coudersport	Allegheny	....	.04	....	....	.84	64	....	....	....	....	..	.02	.03	.28	....	.14	.10	.08	....	T.	....	....	.40	.08	....	.15	....	....	.02	....	.20	3.02
Derry	Conemaugh	....	....	.10	....	.17	T.	....	....	....	.17	.05	.04	.31	.74	.21	.31	.15	.06	....	T.	....	....	.05	.09	....	.32	....	....	.08	.10	.42	3.37
Donora||||	Monongahela	....	.05	.02	.01	.49	.04	..	T.	....	.18	.04	....	.37	.60	.11	.35	.17	....	....	T	....	....	.15	.02	....	.06	....	....	.13	.27	.20	3.26
Dunlo‡	Allegheny	....	...	.02	.02	.98	.05	....	....	....	.17	.13	..	.37	.83	.07	.23	.18	.08	.03	.04	....	....	.09	.03	....	.44	....	....	.08	.76	.33	4.93
Ebensburg	Conemaugh	....	.10	...	....	.03	.40	.02	....	....	.15	.11	.03	.05	.46	.23	.20	.17	....	....	....	....	....	...	.02	....	.24	....	....	.04	.06	.62	2.93
Franklin||||	Allegheny	....	....	.14	....	.16	1.50	....	....	.03	....	....	....	.06	.14	.44	.22	.50	....	....	T.	....	....	.05	.31	...	.12	....	....	....	.16	.15	3.98
Greensboro||||	Monongahela	T.	....	.10	.02	.03	.60	T.	.02	....	.24	.09	.04	....	.37	.96	.12	.53	.02	....	....	....	....	.06	.17	....	.02	T.	....	T.	.06	.38	3.83
Greensburg	Youghiogheny	....	T	.07	T.	.16	.60	T	....	....	.39	.02	.06	.41	.71	.16	.44	.15	T.	....	T	....	....	.08	.07	...	T.	....	....	.10	.24	.37	4.03
Greenville	Beaver	....	.10	T.	T.	.82	40	....	T.	....	....	T.	....	.03	.53	...	.30	.47	....	...	T.	...	....	.09	.38	....	.15	....	....	.35	T.	.50	4.12
Grove City	Beaver	....	.19	.07	.01	.94	T.	....	....	....	....	.01	....	.56	.60	.09	.15	.62	....	....	...	....	....	.21	.26	....	.06	....	....	.18	.36	.41	4.72
Herrs Isl. Dam||||	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Irwin	Monongahela	....	.02	.09	.01	.11	.52	T.	....	....	.31	....	.08	.32	.79	.09	.41	.25	01	....	....	....	....	.06	.10	...	.12	....	....	.15	.27	.38	4.09
Johnstown	Conemaugh	....	.02	.04	....	.41	70	....	T.	....	.36	.03	.10	.22	.98	.21	.33	.18	.02	....	....	....	....	.08	.07	....	.51	....	....	.06	.36	.42	5.10
Kane (near) ‡‡	Allegheny	....	.04	.06	....	1.14	.90	T.	.06	....	....	T.	.06	.13	.50	.05	.18	.20	.02	....	.02	....	....	.25	.25	....	.23	....	....	.03	.01	.36	4.49
Kregar||||	Youghiogheny	....	.07	T.	.08	1.04	T.	T.	....	.09	.02	.09	....	.51	1.04	.22	20	.05	....	....	....	....	....	.16	.	.05	T.	....	....	.09	.62	.25	4.58
Lake Lynn||||	Monongahela	....	....	.12	.02	.02	.40	....	...	....	.20	.05	....	.	.34	.75	.02	.46	.02	....	....	....	....	.01	.23	....	.03	....	....	....	.03	.32	3.02
Linesville||||	Beaver	....	.15	....	.29	.62	....	....	T.	....	....	T.	....	.10	....	.33	.41	.01	....	.03	....	....	.02	.69	....	.36	....	....	....	.24	.23	T.	3.48
Lock No 2||||	Ohio	....	....	.10	....	.03	.74	....	....	....	.05	T.	T	.10	.81	.40	.10	.34	T.	...	....	....	....	T.	.38	....	.07	.01	....	T.	.23	.33	3.69
Lock No. 4||||	Monongahela	....	....	.07	.02	.07	.55	....	.01	....	.15	.06	.13	....	.40	.67	.25	.50	...	....	....	....	....	.04	.12	...	.03	...	....	....	.19	.28	3.54
Lock No. 5‡‡||||	Allegheny	....	....	.12	...	.01	.86	T.	....	....	.04	.03	.01	.06	1.01	.56	.13	.44	.03	....	....	T.	....	08	.31	T.	.21	.01	....	....	.17	.24	4.32
Lycippus	Conemaugh	T.	T.	.30	....	.25	1.20	....	....	....	.35	.07	.06	.35	.82	.19	.40	16	.06	....	....	....	....	T.	.10	...	.11	....	....	....	.07	.50	4.99
Marienville‡	Allegheny	....	....	....	....	....	....	....	....	....	....	...	.03	.29	.46	.05	.25	.15	....	....	....	....	....	.14	...	.04	.05	....	....	....	.01	.31	§
McKeesport||||	Monongahela	....	....	.03	...	.01	.38	....	....	....	.12	....	.03	.02	.51	.49	.11	.29	....	....	....	...	....	.03	.05	...	.07	....	....	...	.07	.31	2.52
Meadville	Allegheny	....	...	.14	...	.21	.84	T.	....	T.	...	....	T.	.02	.08	T.	.48	.56	....	....	T	.01	....	.02	.29	....	.25	T.	....	....	.22	.21	3.33
Mercer‡	Ohio	....	.25	...	.08	1.47	....	....	....	....	....	....	.18	.57	.62	....	1.20	.01	....	....	.12	...	....	.63	....	....	....	.04	.05	.29	.08	.30	5.89
Midland	Ohio	....	T.	.11	T.	.32	.38	....	....	....	.07	.02	.01	.61	1.23	.02	.27	.30	.05	....	....	....	....	.25	.22	....	.21	....	....	.25	.19	.53	5.04
Mosgrove||||	Allegheny	....	...	.12	....	.02	.90	....	....	....	.05	.02	.15	.10	.91	.65	.02	.37	.05	....	....	.01	....	...	.39	...	.10	....	....	....	....	.25	4.11
Mount Lebanon	Ohio	...	.05	T.	.05	.47	.05	....	....	....	.12	.04	....	.44	.58	....	.25	.24	...	....	T.	....	....	.25	....	T.	.05	...	....	.13	.45	.24	3.41
Natrona||||	Allegheny	....	....	.16	....	.05	.77	T	....	....	.06	T.	.09	.10	1.04	.57	.12	.45	.02	....	....	....	...	.11	.46	...	.15	....	....	....	.28	.23	4.61
New Castle||||	Beaver	....	....	.19	....	.16	.99	T.	....	....	T	....	T.	.04	.93	.67	.17	.48	.04	.02	.03	T.	...	.04	.38	T.	.12	T.	T.	.04	.33	.62	5.25
Newell	Monongahela	....	....	.16	....	.14	.56	...	....	....	.05	....	.06	.04	.60	.35	.60	.25	....	....	....	....	....	.06	.05	...	.06	....	....	.05	.10	.60	3.73
Parkers Landing||||	Allegheny	T	....	.42	....	.38	1.23	T.	..	....	T.	...	T.	.18	.92	.79	.03	.36	....	....	T.	T	....	.15	.21	T	.12	....	....	....	.51	.44	5.74
Pennline||||‡‡	Beaver	....	....	.19	....	.08	.89	T.	T.	....	..	...	.03	.02	.04	.36	.41	T.	....	....	....	....	....	60	...	.38	...	....	....	.37	.21	.05	3.63
Pittsburgh***	Ohio	....	.05	.02	.03	.54	T.	T.	T.	...	.10	.02	T	.46	.55	.13	.10	.23	T.	....	T	....	T	.21	.01	T.	.07	....	....	.11	.38	.20	3.21
Punxsutawney||||	Allegheny	....	....	.11	....	.06	1.05	T.	....	....	.03	.04	.06	.10	.71	.58	.01	.46	.01	....	....	T	....	.07	.15	T.	.12	T.	....	....	.27	.24	4.07
Ridgway	Allegheny	....	....	.13	....	.17	1.36	T.	....	T.	....	....	T.	.06	.12	.45	....	.21	.04	....	....	.03	....	.14	.18	....	.10	T.	....	...	.02	.03	3.04
Rochester‡	Ohio	....	.14	.03	.03	.65	...	....	..	....	.14	.04	.02	.60	.92	.15	.25	.13	....	....	...	...	...	.37	....	.01	.17	....	...	.20	.20	.40	4.45
Salisbury (near)	Youghiogheny	....	....	.10	....	.05	56	T.	.05	....	.28	....	.23	.28	1.22	.22	.06	.11	.03	.03	.01	T.	....	.07	.15	....	.16	...	....	.05	.16	.07	3.89
Saltsburg||||	Conemaugh	....	....	.09	....	.03	.81	T	T.	....	.15	.03	.09	.02	.68	.66	.18	.39	.02	....	....	....	....	.05	10	....	.11	T.	...	....	.12	.26	3.79
Sharon||||	Beaver	....	....	.23	....	.20	1.20	....	....	....	....	...	T.	T.	.75	.50	.38	.77	....	....	....	.01	....	.07	.52	....	.09	....	....	....	.39	.53	5.64
Smethport||||	Allegheny	....	....	....	....	.10	1.45	T.	....	....	....	.15	..	T	....	....	.04	.20	....	....	....	....	....	....	.35	T.	....	T.	....	.05	T	T	2.34
Somerset	Youghiogheny	....	....	.07	....	.17	.41	...	....	....	.29	.06	.05	.26	.98	.40	.28	.17	02	....	....	...	....	T	29	....	.15	...	....	.03	.18	.33	4.14
Springdale||||‡‡	Allegheny	....	....	.12	....	.05	.78	....	....	....	.07	.02	.04	.08	.95	.54	.20	.39	.03	....	....	....	....	07	.30	..	.13	.01	....	....	.18	.22	4.18
Titusville‡	Allegheny	....	.18	.01	.08	1.37	....	.	....	....	....	....	.06	.13	.15	....	.83	.06	...	.02	.04	.06	.06	37	.04	.16	.05	....	...	.11	....	....	§
Union City‡	Allegheny	.05	.19	....	.04	1.03	...	....	....	....	....	.06	.03	.04	....	....	1.11	.07	.04	....	....	....	....	.53	.	.24	.07	....	....	....	....	....	§
Uniontown	Monongahela	....	T.	.10	T.	.03	.70	....	03	....	.14	.04	.16	.30	1.02	.09	.36	.39	...	...	T.	....	....	.03	13	..	.05	....	....	.05	.22	.18	4.02
Unity Reservoir‡‡	Youghiogheny	....	T.	.09	.03	.32	.70	..	T.	....	.34	.04	.04	.38	75	.19	.50	.14	.02	....	T.	....	....	.11	04	..	.20	...	....	.11	.59	.39	4.98
Vandergrift‡	Conemaugh	....	.08	....	....	.60	T	....	....	....	....	.12	T.	.64	.20	....	.22	.13	....	....	....	....	....	15	...	...	.08	..	....	.07	.17	.20	2.66
Warren	Allegheny	T.	.18	.04	....	.42	.88	....	....	....	....	.05	.05	.03	.08	....	18	.35	....	....	....	....	....	..	.44	.07	.08	.05	....	....	....	.40	3.30
Waynesburg	Monongahela	....	....	..	....	.20	.76	....	....	....	.32	....	....	.33	.94	.14	.39	.36	....	....	....	....	..	.05	.19	....	.05	....	....	....	42	38	4.48
Westford||||	Beaver	....	.04	....	.40	.80	....	....	....	....	....	....	....	.16	.15	.20	.50	..	....	....	....	....	.02	.50	....	.26	.02	....	...	.05	34	....	3.44
West Newton||||	Youghiogheny	....	....	.05	....	T.	.60	....	T	....	.16	T	.24	T.	.60	.88	.14	.40	....	....	...	....	....	.03	.18	....	.05	..	...	...	.18	.35	3.86
Lake Drainage.																																	
Erie***	Lake Erie	....	.15	.06	.08	.80	.01	T	....	....	.03	.07	.01	....	....	....	.71	.02	....	T.	.03	....	....	.40	.02	.20	.04	....	....	.16	....	.17	2.96
Raymond‡	Genesee	....	.10	...	.03	1.45	....	....	.03	....	....	.05	.06	.22	.09	.03	.20	.11	.03	....	.05	....	....	.46	....	....	.11	....	....	....	....	.15	3.17

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

|| || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

Daily Temperatures for March, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	40	50	43	23	40	50	36	38	40	36	40	51	51	49	34	38	43	43	71	65	75	81	73	67	52	54	50	58	53	63	63	50.6
	Minimum	11	37	21	5	23	26	26	31	24	24	20	25	35	34	32	32	37	39	37	47	45	43	54	36	24	39	29	22	31	37	54	31.6
Bedford	Maximum	44	55	55	27	57	62	41	45	45	42	48	53	56	62	42	40	48	50	72	66	77	83	81	75	55	57	53	63	64	69	67	56.8
	Minimum	15	38	25	15	24	30	29	35	26	28	10	25	37	42	34	35	39	42	30	47	40	37	52	39	24	40	33	21	28	36	54	32.6
Bethlehem	Maximum	47	50	50	31	37	47	45	43	43	43	40	49	52	46	37	39	42	56	69	68	76	81	80	76	58	55	55	58	62	56	50	52.9
	Minimum	12	36	26	5	25	36	30	33	29	25	18	30	38	32	26	33	37	34	42	50	52	43	53	47	33	37	34	30	34	45	43	33.8
Brookville	Maximum	45	48	35	35	55	33	35	35	40	45	41	51	47	42	41	47	51	42	70	60	73	80	79	47	57	48	51	57	52	72	53	50.5
	Minimum	4	19	25	6	9	26	25	26	12	19	12	15	18	37	32	33	36	38	26	30	28	39	32	34	20	30	28	15	18	27	41	24.4
Butler	Maximum	....	47	40	39	64	56	34	41	41	41	50	48	53	48	47	52	57	54	70	70	75	82	82	75	54	54	45	60	60	73	74	56.2*
	Minimum	....	21	26	21	29	25	25	31	29	28	16	23	38	40	35	37	38	37	27	30	40	38	56	34	23	43	19	20	26	42	45	31.4*
Carlisle	Maximum	53	58	54	29	46	50	49	49	50	43	42	56	53	54	42	41	50	60	71	75	80	86	82	75	52	50	60	55	57	57	55	55.9
	Minimum	16	40	24	9	26	34	31	34	23	24	11	30	34	42	31	34	21	38	33	49	47	39	49	46	33	40	42	23	28	37	50	32.8
Chambersburg	Maximum	51	54	53	28	47	54	47	50	49	42	44	55	52	49	41	42	50	55	68	71	78	84	80	72	58	61	56	60	55	58	56	55.5
	Minimum	17	38	25	11	26	26	32	38	28	28	16	30	39	41	32	34	39	38	38	48	53	41	51	44	29	41	34	23	34	40	45	34.2
Chambersville	Maximum	43	48	43	38	63	65	35	40	40	39	40	50	50	49	46	51	52	50	71	62	74	83	80	72	56	57	53	61	61	73	74	55.5
	Minimum	10	32	25	9	28	24	26	28	21	25	11	20	38	35	38	39	38	36	28	49	57	36	56	29	22	40	25	15	26	47	56	31.3
Claysville	Maximum	46	50	43	39	69	65	41	48	48	39	43	55	53	51	58	72	68	53	72	67	78	84	80	55	60	60	58	67	76	75	74	59.6
	Minimum	14	35	28	13	35	26	28	31	19	27	16	28	46	42	37	40	48	36	32	51	37	45	53	36	28	45	25	21	36	54	59	34.5
Clearfield	Maximum	35	38	31	32	40	38	35	36	41	42	40	44	52	42	43	42	41	48	67	72	70	80	73	57	58	55	54	62	58	70	68	50.5
	Minimum	8	12	18	2	12	20	25	24	19	24	21	15	31	28	27	31	28	32	32	30	32	31	48	30	20	37	30	28	25	38	42	25.8
Coatesville	Maximum	49	46	49	32	48	41	35	38	36	33	35	42	58	56	38	44	45	58	64	69	71	79	79	65	56	57	55	54	60	54	54	51.6
	Minimum	14	32	23	7	27	27	29	28	24	23	11	29	35	36	30	30	40	35	36	45	49	42	47	40	31	37	34	27	32	39	43	31.7
Corry	Maximum	42	40	35	36	54	46	32	32	39	42	40	53	57	48	55	51	56	48	72	70	75	82	75	61	58	55	46	62	55	76	72	53.7
	Minimum	10	31	10	−2	27	19	22	24	16	18	15	16	39	32	25	33	39	32	29	41	31	41	55	30	19	35	23	15	26	43	52	27.3
Coudersport	Maximum	41	46	41	34	53	54	33	32	39	46	40	41	52	46	39	40	47	44	71	56	74	81	75	60	54	52	44	60	57	72	68	51.4
	Minimum	4	33	5	−3	21	23	23	24	19	17	12	20	36	27	26	30	35	37	30	41	42	29	45	31	18	36	24	13	27	34	50	26.1
Donora*	Maximum	48	53	46	44	71	51	40	48	42	41	44	54	53	53	59	67	56	48	73	63	78	85	82	50	63	56	58	69	75	71	77	58.6
	Minimum	20	35	25	20	44	30	30	32	26	30	27	37	49	43	42	42	48	44	36	51	40	44	52	37	32	42	33	29	36	50	55	37.5
Ebensburg	Maximum	39	46	43	29	64	61	32	37	36	35	35	46	48	48	34	45	44	46	63	65	70	74	75	63	53	48	45	60	60	68	70	51.0
	Minimum	8	31	33	8	22	26	23	27	21	19	19	20	35	34	30	30	37	34	30	50	42	46	55	33	24	36	26	20	28	42	51	30.3
Emporium	Maximum	45	51	39	34	48	54	36	34	40	46	43	54	54	46	40	43	49	48	73	60	76	84	79	66	58	52	49	61	55	75	72	53.7
	Minimum	9	37	16	0	21	26	27	29	20	21	14	23	37	32	29	34	39	39	30	42	32	32	47	36	22	39	27	16	22	34	55	28.6
Ephrata	Maximum	53	54	50	31	41	46	49	46	47	40	47	56	54	54	38	44	47	59	70	72	80	86	79	70	60	59	55	62	57	56	56	55.4
	Minimum	16	33	25	11	29	34	31	31	28	26	10	31	42	36	32	34	42	37	34	50	44	42	50	45	30	38	35	28	30	40	45	33.5
Erie*	Maximum	43	42	25	33	54	31	34	33	32	34	38	53	59	36	41	58	53	42	70	61	67	82	72	42	58	48	43	56	56	75	69	49.7
	Minimum	22	25	2	1	29	24	26	29	22	24	26	28	36	25	25	39	38	34	40	48	47	55	36	33	35	36	31	27	44	52	46	31.8
Franklin‡	Maximum	47	44	31	37	58	31	36	34	40	46	39	52	51	42	44	52	55	43	70	63	74	81	71	49	56	49	50	62	57	73	74	52.0
	Minimum	6	20	22	7	9	24	22	27	19	19	16	17	21	40	31	32	39	38	28	30	33	34	37	33	25	25	27	19	20	29	42	25.5
Freeland	Maximum	35	39	37	20	36	41	43	31	32	32	36	33	48	42	32	34	39	43	60	58	66	76	72	64	50	45	40	48	57	45	48	44.6
	Minimum	2	31	16	2	20	24	27	22	25	22	19	19	31	32	25	25	36	31	35	47	43	52	55	32	32	27	26	21	37	40	40	28.9
George School	Maximum	51	58	50	31	47	44	46	49	45	39	43	53	59	53	40	43	42	59	66	68	76	79	79	67	55	55	55	57	54	61	53	54 1
	Minimum	13	35	25	9	27	35	27	30	25	26	11	31	36	40	31	34	41	36	36	46	47	40	45	43	32	38	36	27	44	30	43	32.9
Gettysburg	Maximum	50	53	52	32	51	55	50	50	49	47	45	57	55	52	49	41	50	61	68	73	77	82	80	73	64	61	59	58	56	59	69	57.0
	Minimum	17	37	23	7	24	36	33	35	29	27	31	30	40	45	33	34	40	38	34	50	50	42	56	48	30	39	35	25	32	40	47	35.1
Gordon	Maximum	44	47	46	28	38	42	41	41	41	40	42	50	52	45	39	40	46	52	67	67	74	82	78	76	56	57	51	59	57	51	54	51.7
	Minimum	10	30	22	4	24	32	28	27	26	23	9	26	37	39	29	31	39	35	40	45	33	38	44	40	23	34	31	24	36	43	36	30.3
Greensburg	Maximum	44	51	43	38	72	62	38	44	41	40	40	52	50	49	56	62	53	49	70	64	75	82	81	67	60	57	56	63	67	72	75	57 2
	Minimum	15	31	29	15	33	28	29	32	25	28	17	29	45	41	38	38	45	38	36	52	43	43	56	37	28	43	27	25	35	56	52	35.1
Greenville	Maximum	47	47	36	35	56	56	40	39	43	45	45	55	54	49	53	61	60	54	71	67	77	84	82	63	59	55	52	65	64	74	75	56.9
	Minimum	14	35	13	8	32	24	27	28	19	25	18	22	43	37	29	38	44	36	34	49	33	42	57	35	27	40	27	20	30	46	57	31.9
Grove City	Maximum	44	43	38	34	59	58	35	35	40	45	39	51	51	48	46	56	55	52	69	65	73	80	79	63	55	54	52	61	58	72	71	54.2
	Minimum	16	33	21	10	29	22	26	26	20	22	22	23	42	31	33	35	41	34	34	42	40	51	56	33	30	39	41	22	42	51	48	32.7
Hamburg	Maximum	49	48	48	42	38	48	45	45	45	40	42	52	47	50	36	42	44	56	67	70	77	82	80	74	69	60	55	60	56	54	51	53.9
	Minimum	13	32	25	9	27	34	33	34	32	24	14	31	40	34	29	32	40	36	42	50	48	43	53	42	34	37	34	28	30	44	44	33.8
Harrisburg*	Maximum	49	52	48	30	42	51	45	45	46	39	44	54	49	52	35	44	48	57	67	69	76	80	78	60	55	59	56	58	53	57	55	46.7
	Minimum	18	39	18	13	30	33	34	36	32	26	20	34	44	35	31	34	41	37	39	50	54	49	55	42	38	40	36	32	36	43	45	31.1
Hawley	Maximum	41	49	43	31	35	42	39	37	37	38	44	48	59	49	40	39	39	52	62	64	68	81	79	69	56	50	46	53	68	54	50	50.4
	Minimum	4	34	20	−1	20	28	19	26	19	17	9	28	27	32	26	30	32	31	36	36	35	29	34	37	21	34	28	23	22	36	39	26.2
Holtwood*	Maximum	50	54	52	31	46	51	46	46	46	36	43	55	57	48	38	44	48	55	65	70	75	75	73	64	57	57	55	58	55	59	56	53.7
	Minimum	19	28	23	10	30	34	33	32	27	23	20	36	38	38	34	37	42	39	37	46	46	46	49	42	38	43	47	35	37	44	48	35.5
Huntingdon	Maximum	48	49	46	30	43	50	41	45	45	36	45	57	50	48	38	42	48	54	....	74	78	85	82	74	58	56	56	62	55	66	62	54.1*
	Minimum	17	42	21	5	26	31	29	34	27	18	13	24	36	37	34	35	39	43	...	29	37	35	51	41	22	42	34	19	24	34	51	31.0*
Johnstown	Maximum	45	52	42	34	71	62	38	44	44	37	47	52	55	50	40	47	53	48	76	65	80	85	83	65	59	57	55	66	57	73	76	56.7
	Minimum	15	38	28	16	29	29	29	33	27	28	25	28	41	40	36	35	43	39	33	51	41	39	53	39	28	42	31	25	31	43	52	34.4
Kylertown*	Maximum	40	45	37	27	59	42	34	35	37	35	39	49	47	45	33	39	46	46	70	60	73	80	77	53	53	49	51	60	51	66	64	49.7
	Minimum	11	35	6	1	23	24	27	27	20	20	17	22	39	30	29	31	35	37	32	48	41	41	53	29	25	34	27	19	33	38	52	29.2
Lancaster	Maximum	53	54	53	30	45	44	48	50	47	46	43	55	57	54	43	45	48	61	69	74	79	84	80	73	59	60	58	59	61	60	58	56.5
	Minimum	15	25	23	0	27	34	29	25	21	26	8	28	29	42	31	33	42	36	30	45	37	37	44	50	27	38	34	23	25	35	45	30.5
Lawrenceville	Maximum	42	51	40	34	46	45	40	35	40	42	42	61	53	45	42	42	51	52	74	68	78	85	82	75	58	53	46	61	64	72	64	54.3
	Minimum	4	35	8	−3	22	12	25	26	21	18	15	37	28	22	21	32	37	38	34	42	30	31	48	35	20	38	26	17	24	34	49	26.6
Lebanon‡	Maximum	50	52	35	34	45	45	47	45	47	33	44	54	50	53	40	43	46	58	69	73	77	84	81	54	58	58	55	54	57	55	54	53.2
	Minimum	12	25	34	10	13	32	30	29	28	26	14	18	35	40	30	30	34	36	33	41	41	43	52	49	30	37	33	26	29	42	44	31.5
Lock Haven	Maximum	45	55	51	32	35	43	42	42	45	43	43	52	52	50	38	42	47	55	67	68	76	81	81	78	58	57	55	56	57	66	64	54.1
	Minimum	14	36	21	4	27	32	31	31	27	26	20	28	38	35	32	35	40	41	35	46	37	38	49	42	26	41	31	22	28	37	49	32.2
Marcus Hook*	Maximum	61	54	34	52	62	49	50	49	47	44	52	60	59	46	48	52	61	66	67	77	79	78	75	59	60	61	57	58	61	56	68	58.1
	Minimum	36	25	13	30	40	32	36	32	29	22	34	40	45	33	36	43	38	41	47	49	48	52	54	37	42	29	32	32	40	46	51	37.9
Meadville	Maximum	45	40	23	38	56	32	44	37	39	42	38	52	53	39	47	54	55	43	70	64	72	81	71	46	61	47	63	60	56	80	78	52.5
	Minimum	22	16	7	9	22	22	26	18	19	17	21	23	38	30	33	40	34	30	42	33	34	44	33	22	30	22	19	26	37	47	36	27.5
Midland	Maximum	45	48	44	39	63	58	40	41	47	43	41	53	51	50	56	63	61	51	70	64	71	81	74	62	60	59	56	60	65	75	72	56.9
	Minimum	19	32	25	13	36	28	31	31	23	29	20	28	41	41	38	40	45	38	31	47	38	44	55	38	30	46	30	27	35	35	54	34.5
Mifflintown	Maximum	41	58	31	30	42	48	49	48	48	39	44	57	55	51	42	40	48	59	74	69	79	84	82	73	59	60	58	59	55	59	56	54.7
	Minimum	17	28	11	8	24	31	31	34	28	25	10	28	24	37	32	33	36	40	30	48	52	38	50	42	26	40	33	36	25	35	48	31.6
Montrose	Maximum	37	43	40	28	34	40	36	33	32	36	38	44	54	46	42	38	43	43	61	60	65	78	77	67	52	49	39	51	63	56	52	47.6
	Minimum	0	32	10	−4	20	23	21	23	16	18	17	25	35	32	24	30	37	32	34	47	40	46	53	33	25	30	25	23	33	40	41	27.8
Mount Pocono	Maximum	20	41	35	21	37	30	33	31	34	31	29	37	43	37	33	33	37	44	60	60	63	73	70	58	48	44	40	50	58	50	51	42.9
	Minimum	−3	15	5	−3	16	20	20	20	21	21	19	11	26	27	25	28	31	31	35	47	43	49	49	29	23	29	25	23	34	40	40	25.7
Muncy Valley	Maximum	43	46	41	27	34	36	40	35	42	41	38	54	50	41	50	41	49	53	54	57	61	56	51	62	66	51	44	54	47	51	56	47.5
	Minimum	−5	22	14	−1	18	18	20	25	20	21	14	19	33	32	33	32	38	36	40	33	30	32	27	36	24	37	26	17	24	29	37	25.2
New Castle‡	Maximum	28	48	46	34	54	61	32	40	40	41	46	40	56	50	45	54	62	55	53	72	63	79	84	73	50	57	50	54	67	65	74	54.0
	Minimum	12	27	22	10	18	25	25	29	18	24	17	23	33	44	35	38	44	38	34	40	34	39	55	36	26	40	29	22	28	43	57	31.1
Palmerton*	Maximum	46	49	45	29	38	47	43	43	41	36	40	50	51	49	37	41	43	53	68	66	74	80	79	68	55	56	50	59	59	50	50	51.5
	Minimum	11	35	14	6	27	30	30	30	26	17	12	31	39	32	29	34	37	35	43	47	46	37	46	38	31	36	34	28	27	42	44	31.4
Philadelphia*	Maximum	51	55	52	31	57	58	46	47	45	40	41	51	57	56	39	48	46	59	66	67	77	79	78	66	58	57	55	58	60	52	55	55.1
	Minimum	16	37	20	13	29	32	32	36	33	29	26	36	40	36	33	36	39	38	43	49	53	53	54	41	38	38	37	34	39	46	45	36.5
Phoenixville	Maximum	54	60	53	36	48	52	48	50	50	48	44	52	62	55	42	44	45	59	68	72	75	80	79	76	57	58	59	56	62	55	53	56.5
	Minimum	15	33	27	10	28	36	28	26	18	24	12	29	38	42	32	34	42	36	33	48	40	37	47	51	28	39	36	26	29	35	45	32 4

Continued on page 17.

Daily Temperatures for March, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Pittsburgh*	Maximum	43	49	40	37	66	43	38	44	42	37	40	52	50	49	54	62	54	44	70	61	75	82	79	50	59	53	54	62	66	73	73	54.9
	Minimum	16	34	19	16	36	27	28	31	24	27	23	31	46	37	37	37	44	38	37	53	47	52	50	37	31	41	30	30	43	58	50	35.8
Quakertown	Maximum	47	52	48	30	40	47	43	44	41	40	41	48	55	51	37	41	43	56	64	68	72	78	77	72	54	53	54	56	60	61	57	52.6
	Minimum	11	32	24	5	25	33	29	29	24	24	6	30	36	34	29	32	39	34	39	44	45	36	43	44	27	37	33	26	25	39	46	31.0
Reading*	Maximum	51	56	50	33	49	51	47	44	45	39	46	54	54	55	39	45	47	56	68	72	76	83	79	68	59	59	54	58	60	53	53	54.9
	Minimum	16	38	20	10	29	32	32	34	32	27	20	34	45	36	32	34	40	39	41	54	53	50	62	41	36	40	36	31	40	44	45	36.2
Retreat	Maximum	43	48	46	29	36	34	34	34	38	38	40	43	47	37	38	40	47	50	58	73	77	77	80	74	51	59	49	55	61	59	58	50.1
	Minimum	6	32	16	3	24	33	24	16	22	20	17	27	34	35	32	33	38	34	42	34	34	36	34	39	24	33	28	22	25	36	44	28.3
Ridgway‡	Maximum	20	42	50	29	36	58	29	35	33	39	45	42	52	50	39	39	44	49	42	70	60	73	80	77	45	60	48	50	59	56	72	49.1
	Minimum	4	19	20	4	5	25	24	26	18	17	12	14	18	38	29	32	34	36	27	27	29	29	33	34	20	24	22	13	16	26	42	23.1
Salisbury (near)	Maximum	35	45	38	33	66	60	33	38	38	35	38	45	52	47	38	44	52	42	67	57	71	76	75	55	49	52	47	59	56	67	68	50.9
	Minimum	8	31	24	20	26	23	22	30	22	24	23	27	40	38	31	31	40	35	30	48	45	47	55	32	25	36	27	26	39	47	52	32.4
Scranton*	Maximum	43	47	42	34	40	42	40	36	39	38	41	49	56	48	47	44	47	50	64	65	69	82	81	62	59	52	43	56	66	53	58	51.4
	Minimum	10	36	8	5	26	29	28	28	25	25	20	32	38	35	32	35	38	37	41	47	48	41	48	35	30	38	32	29	31	45	44	32.1
Selinsgrove	Maximum	47	51	50	30	40	39	47	48	44	43	41	51	51	48	38	40	48	54	68	62	74	79	81	74	55	47	46	57	55	56	55	52.2
	Minimum	12	35	22	7	25	33	29	30	26	24	11	26	38	36	32	33	38	38	33	50	39	39	52	42	28	37	30	22	29	36	46	31.5
Somerset	Maximum	38	49	41	29	65	64	35	42	38	35	41	49	47	48	45	46	51	46	63	60	73	72	72	64	49	48	47	68	70	69	67	52.6
	Minimum	9	29	27	14	26	24	22	25	21	24	20	24	39	40	32	32	40	35	31	47	35	30	51	33	19	38	27	16	24	36	48	29.6
State College	Maximum	42	51	42	29	40	49	38	39	41	34	41	52	51	48	36	41	46	51	70	62	74	82	80	67	56	52	52	57	53	64	62	51.7
	Minimum	10	31	15	3	24	29	28	27	23	24	15	19	39	30	30	34	37	41	33	51	47	39	50	37	25	39	28	22	28	33	41	30.1
Stroudsburg‡	Maximum	46	50	38	32	43	46	43	39	43	39	42	55	42	39	38	40	41	40	69	65	74	79	79	55	57	44	54	57	65	47	55	50.2
	Minimum	10	22	27	3	9	31	25	29	25	22	15	22	33	31	27	33	35	34	34	40	46	34	40	49	30	37	34	22	26	39	43	29.8
Towanda	Maximum	46	50	42	34	46	46	42	39	41	40	40	52	59	50	43	44	51	49	66	65	71	82	81	71	57	54	45	59	63	66	61	53.4
	Minimum	8	38	6	1	25	27	26	29	22	20	15	28	40	31	26	34	40	37	38	47	35	33	52	36	23	39	30	23	25	40	46	29.7
Uniontown	Maximum	45	55	45	41	71	68	40	53	46	41	45	56	56	53	59	65	60	50	72	64	78	84	83	67	62	59	57	66	73	74	76	60.1
	Minimum	15	36	32	20	39	30	30	34	23	31	29	31	47	47	41	42	50	41	31	55	41	40	59	40	28	47	29	24	34	57	60	37.5
Vandergrift*	Maximum	51	54	46	40	70	50	45	45	46	40	42	57	54	54	57	61	55	52	74	68	77	85	84	72	63	63	59	63	65	78	79	59.6
	Minimum	18	35	20	15	34	28	31	30	21	26	19	27	43	37	38	39	44	39	31	46	38	39	57	34	28	42	30	24	30	47	54	33.7
Warren	Maximum	38	42	34	32	50	40	30	30	31	38	42	44	54	44	44	48	52	52	56	55	68	72	75	55	48	45	40	46	54	70	73	48.5
	Minimum	10	34	9	0	28	26	25	26	20	18	15	14	42	34	30	36	36	32	26	40	30	30	53	32	24	40	26	22	24	38	53	28.2
Waynesburg	Maximum	47	53	44	42	72	67	40	49	44	40	40	54	57	52	64	72	68	51	70	63	76	82	81	69	63	60	63	66	73	72	75	60.3
	Minimum	14	21	30	16	35	29	29	33	23	31	22	27	49	46	34	41	48	40	32	51	39	41	59	38	26	46	46	25	34	57	57	36.1
Wellsboro	Maximum	44	50	39	36	39	44	37	34	36	37	40	49	56	47	40	40	47	48	69	60	70	80	76	70	57	50	45	57	57	68	58	51.0
	Minimum	7	35	−1	23	23	26	26	27	22	20	15	32	36	28	26	32	38	35	38	44	31	31	45	38	22	37	28	20	24	36	45	28.4
West Chester	Maximum	51	57	41	33	50	55	47	49	45	37	43	52	61	54	39	49	49	58	67	68	77	81	79	67	58	56	55	58	66	55	55	55.2
	Minimum	14	35	25	8	28	33	29	30	24	27	15	30	38	39	31	34	40	36	35	44	46	47	52	45	33	38	36	28	33	43	44	33.5
Williamsport	Maximum	46	52	48	29	36	42	40	39	42	42	40	52	51	46	40	40	47	55	70	69	76	82	80	74	58	56	52	59	58	59	57	52.8
	Minimum	11	38	19	4	27	32	30	32	26	25	20	29	38	35	32	34	40	40	39	51	36	37	51	41	28	39	31	28	27	37	48	32.4
Williamstown	Maximum	45	47	47	27	32	56	51	41	42	40	39	41	52	54	41	37	47	53	68	70	73	81	80	73	67	60	58	55	55	55	54	52.9
	Minimum	8	35	21	5	19	28	24	26	24	21	20	25	37	38	24	29	35	33	37	35	46	52	56	39	28	31	28	22	34	41	41	30.4
York	Maximum	52	53	51	32	48	51	49	50	46	46	47	55	55	50	45	45	50	59	69	73	76	84	81	72	58	61	59	58	58	61	60	56.6
	Minimum	16	31	24	2	28	36	31	32	22	27	8	26	40	44	33	35	43	38	30	49	38	40	57	49	27	39	35	24	28	38	46	32.8

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ^{a}, ^{b}, ^{c}, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	29.96	30.37	9	29.41	5	15.5	38	w.	27	75	68	70	51
Harrisburg	30.01	30.40	28	29.49	5	8.3	27	w.	1	70	58	64	43
Philadelphia	30.03	30.40	28	29.50	5	13.6	34	s.	23	69	58	59	52
Pittsburgh	29.98	30.38	28	29.48	5	12.2	34	nw.	27	78	61	65	48
Reading	30.01	30.41	28	29.50	5	12.1	37	nw.	27	71	57	59	41
Scranton	30.00	30.40	28	29.48	5	7.6	28	nw.	26	66	55	57	62

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	4.0	5.4	19	2.9	6	18
Easton	Delaware	4.5	6.7	19	2.2	1	22
Lehighton	Lehigh	4.0	4.8	15	3.4	4	9
Wilkes-Barre	Susquehanna	8.2	13.7	7	4.6	3	20
Williamsport	Susquehanna	5.7	9.8	7	2.6	1	20
Harrisburg	Susquehanna	6.3	8.5	20	4.6	5	18
Greensboro	Monongahela	14.5	20.3	7	11.4	27	30
West Newton	Youghiogheny	3.1	11.0	15	1.3	1	20
Lock No. 4	Monongahela	15.3	19.9	15	12.4	27	30
Pittsburgh	Ohio	.....	20.5*	7	15.6*	1	25
Midland	Ohio	.....	26.6*	7	12.3*	13	30

* Pool stage.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. APRIL, 1938. No. 4.

GENERAL SUMMARY.

April was abnormally warm and dry, yet, contrary to those indications, the snowfall was above the average. The temperature mean of 51.3 degrees has been equalled in April only once in the last ten years, while the snowfall was the greatest for that month in the ten-year period. No measurable snowfall occurred in the south-central or the southeastern counties, but it exceeded twelve inches in some of the northern counties. The region of Scranton and Wilkes-Barre received a 24-hour snowfall of 11.0 inches on the 6th and 7th. In Mercer County the precipitation took the form of glaze, and an ice coating an inch in thickness was reported at Grove City. These two days of snowfall were followed immediately by two days of the heaviest rains of the month, and the snow cover was melted in most regions. This action raised the streams quickly and considerably, but not to flood stages. The lowest temperature of the month occurred at most stations on the 5th, 6th, or 11th, and was generally well below the freezing point. As a rule vegetation had not advanced to a point where the freezing did much damage, but another period of fairly general freezing occurred on the 23d and 24th, at which time considerable orchard fruit was nipped in the southwestern counties. Home gardening was generally in progress at the time of the second freeze, but only a small portion of the vegetables was up. The cold served to chill the soil and delay germination, but did but little permanent damage. The shortage in precipitation accumulated after the 10th, and the top soil dried out to such an extent as to interfere with germination of seeds, and to slow up the growth of young plants. By the end of the month the soil was top crusted enough to interfere with proper cultivation, and farmers were complaining that pastures were very backward. The month closed unseasonably warm, with highest temperatures occurring on the 27th or 28th, when the excess was ten degrees or more in all parts of the State. Spring plowing, seeding, and planting got under way in good season, and made fair progress, but vegetation generally was a little backward. The winter grains made a steady improvement despite the shortage of moisture, and at the end of the month the reports on their condition were invariably favorable. Despite the lack of proper snow covering there seemed to have been very little winter killing, and less grain than usual was abandoned. With a return of growing temperatures the grains made a fine response. Oats seeding was well advanced in the southern counties, and corn ground was being prepared for planting at the end of the month.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 90 stations, was 51.3°, which is 2.7° above the 51-year normal for April. The highest monthly mean was 57.5°, at Marcus Hook, and the lowest was 43.5° at Gouldsboro. Extremes of temperature ranged from a maximum of 92° at Sharon and Vandergrift on the 27th, and at Ephrata and Meadville on the 28th, to a minimum of 11° at Ridgway on the 10th. The greatest daily range in temperature was 53° at Butler on the 26th.

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PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 169 stations, was 2.85 inches, which is 0.57 inch less than the 51-year normal for April. The greatest monthly amount was 5.22 inches at Clarion, and the least was 1.08 inches at Huntsdale. The greatest amount for any 24 consecutive hours was 1.92 inches at Orwigsburg on the 8-9th.

The average snowfall for the State was 3.5 inches, which is 1.3 inches above the 51-year average. The greatest total snowfall for the month was 15.0 inches at Smethport. The greatest 24-hour snowfall was 11.0 inches at Scranton and Retreat on the 6-7th.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.2	92	12	2.52	1.3	8	14	10	6
1889	49.7	88	14	4.50	0.9	11	11	8	11
1890	48.6	85	12	3.46	0.4	10	14	8	8
1891	49.8	87	11	2.08	1.2	8	13	9	8
1892	46.9	85	14	2.04	1.1	10	10	10	10
1893	47.7	85	16	4.74	0.6	14	7	10	13
1894	48.0	83	5	3.62	14.7	11	11	8	11
1895	49.2	90	5	3.76	0.2	10	10	8	12
1896	53.0	97	4	1.75	0.9	8	10	10	10
1897	49.0	92	12	3.30	0.3	10	12	9	9
1898	45.6	84	4	2.93	2.5	12	9	8	13
1899	50.2	92	2	1.76	0.5	6	15	9	6
1900	49.2	90	13	1.57	0.9	8	14	8	8
1901	47.2	95	10	5.41	4.9	11	9	5	16
1902	48.0	91	20	3.56	3.0	9	8	10	12
1903	48.8	90	12	3.53	T.	10	11	7	12
1904	44.7	86	9	3.45	1.0	13	8	8	14
1905	48.4	84	16	2.84	2.8	12	9	11	10
1906	50.0	89	12	3.13	0.6	9	14	8	8
1907	43.6	84	8	2.64	4.0	11	10	7	13
1908	49.8	89	0	3.51	1.0	12	12	8	10
1909	48.5	87	8	5.39	2.6	13	10	9	11
1910	52.6	89	13	5.07	0.6	13	10	9	11
1911	46.2	84	6	3.79	4.4	13	11	7	12
1912	50.2	83	18	4.39	1.6	15	10	7	13
1913	50.6	90	17	3.82	0.2	11	12	6	12
1914	47.3	93	5	4.66	1.1	14	10	8	12
1915	53.9	98	15	1.92	1.6	8	13	10	7
1916	48.0	87	16	3.65	5.6	14	9	9	12
1917	48.5	87	14	2.08	2.6	9	11	10	9
1918	48.2	81	12	4.53	10.8	14	10	9	11
1919	48.5	90	6	2.70	1.2	11	10	10	10
1920	46.0	87	8	4.39	3.0	16	9	9	12
1921	55.3	96	10	3.11	0.8	11	13	7	10
1922	50.1	91	11	3.17	0.4	12	12	9	9
1923	48.3	89	−5	2.94	1.9	9	14	8	8
1924	46.5	82	6	4.15	7.4	12	13	7	10
1925	51.3	96	9	2.32	0.5	10	15	7	8
1926	44.9	84	9	2.03	0.9	9	12	9	9
1927	47.7	92	17	3.52	1.0	13	12	7	11
1928	46.0	88	11	5.50	6.5	13	12	8	10
1929	51.4	94	19	6.12	1.1	15	9	8	13
1930	48.2	92	9	2.71	1.1	10	11	8	11
1931	48.4	85	16	3.33	2.3	10	14	6	10
1932	47.0	86	14	1.71	1.2	8	14	6	10
1933	50.9	89	15	4.49	0.5	13	12	8	10
1934	48.9	86	14	3.06	0.6	11	13	8	9
1935	47.1	91	12	2.56	2.9	11	11	7	12
1936	46.1	90	14	3.01	1.3	14	8	8	14
1937	47.7	89	19	5.53	0.2	14	9	8	13
1938	51.3	92	11	2.85	3.5	10	13	7	10
Period	48.6	98	−5	3.42	2.2	11	11	8	11

Climatological Data for April, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	52.2	+3.5	89	28	25	11	37	3.14	−0.57	1.05	1.3	10	19	9	2	ne.	John A. Frick.
Altooua	Blair	1,615	51	49.3	+1.4	86	27	20	7	40	2.44	−1.08	0.78	3.0	9	16	5	9	w.	John J. Martin.
Ardmore	Montgomery	350	18	51.9	+1.5	85	28	26	6†	36	2.09	−1.74	0.90	T.	7	12	7	11	......	H. L. Balderston.
Arendtsville	Adams	700	16	52.1	+2.7	90	28	25	11	40	1.83	−1.72	0.58	T.	5	16	4	10	ne.	Harold J. Miller.
Bedford	Bedford	1,060	6	51 5	......	89	27	24	11	45	1.58	......	0.85	T.	6	16	2	12	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	54.4	+3.0	89	28†	25	7	36	3.33	−0.17	0.95	2.8	11	20	0	10	w.	Lehigh University.
Carlisle	Cumberland	467	72	53.5	+1.5	91	28	24	11	43	1.83	−1.53	0.70	T.	7	17	4	9	ne.	Prof. C. E. Miller.
Center Hall	Center	1,272	42	51.2	+3.4	86	28	22	10	35	1.48	−1.67	0.56	4.0	7	13	8	9	......	Edward E. Bailey.
Chambersburg	Franklin	580	39	53.4	+3.1	90	28	25	11	41	1.28	−1.96	0.62	0	6	12	7	11	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	49.6	+1.9	88	27	20	5†	47	2.59	−1.00	0.55	11.0	8	13	8	9	sw.	E. W. Hess.
Coatesville	Chester	380	51	52.7	+2.2	89	28	25	7†	39	1.81	−1.95	0.87	T.	6	12	5	13	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	50.7	+2.0	87	28	22	11	39	2.42	−1.28	0.47	T.	9	16	4	10	w.	Wm. A. Korer.
Emporium	Cameron	1,050	51	48.8	+2.1	87	27	17	11	50	3.11	−0.58	0.72	12.0	13	17	2	11	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	54.4	+4.1	92	28	26	11	41	2.02	−1.80	0.64	T.	7	15	4	11	s.	Ira J. Keath
Freeland	Luzerne	1,970	45	46.6	+2.2	80	28	19	6	28	4.76	+0.18	1.10	5.5	14	6	1	23	w.	Andrew B Evansha
George School	Bucks	190	32	53 6	+3.3	88	28	25	11	36	2.36	−1.26	1.11	T.	8	16	6	8	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	54.8	+4 0	89	28	26	11	38	1.92	−1.71	0.59	T.	9	16	3	11	e.	Dr Henry Stewart
Gordon	Schuylkill	840	34	50.2	+2.6	86	20†	19	11	41	2.67	−1.53	0.61	3.0	10	16	6	8	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	43.5	+2.5	77	28	13	11	37	3.38	−0.21	1.10	9.0	7	18	1	11	w.	Ronald H. Marshall,
Hamburg	Berks	535	45	53.8	+4.2	88	28	26	7†	35	2.43	−1.71	0.60	T.	8	15	7	8	nw.	State Sanatorium.
Hanover	York	600	34	55.4	+2.9	89	28	29	7†	35	1.95	−1.38	0.53	T.	9	18	3	9	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	53.4	+2.5	87	28	28	6	31	2.19	−0.50	1.03	T.	8	11	6	13	w.	U. S. Weather Bureau.
Hawley	Wayne	900	20	47.5	+2.1	87	28	14	6	52	3.34	+0.12	1.16	7.5	10	17	6	7	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	53.4	+1.9	82	28	31	11	34	1.78	−1.06	0.98	T.	8	15	5	10	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	51	51.0	+1.5	90	27	21	11	46	1.63	−1.86	0.60	T.	10	14	4	12	nw.	Prof. Paul R. Yoder.
Kyiertown	Clearfield	1,694	7	46 6	......	84	27	20	5	34	2.90	......	1.01	4.5	12	5	13	12	sw.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	53.6	+4.3	91	28	23	11	44	2.12	−1.14	0.77	T.	8	18	3	9	sw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	41	48.9	+2.9	90	27	15	11	50	2.03	−0.95	0.50	11.0	7	11	10	9	......	C. P. Darling.
Lebanon	Lebanon	469	54	52.3	+2.0	88	28	26	5†	38	3.00	−0.49	0.93	T.	8	17	6	7	w.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	52.7	+2.3	90	28	24	11	41	3.61	+0.03	1.10	5.0	12	7	16	7	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	12	57.5	+2.8	89	14	31	5	33	1.59	−1.77	......	0	6	19	4	7	sw.	Sun Oil Co.
Montrose	Susquehanna	1,620	33	47.4	+3.4	83	28	14	6	34	2.09	−1.13	0.47	5.1	11	8	10	12	nw.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	46 5	+4.2	82	28	15	6	35	2.89	−0.75	1.00	5.0	9	12	9	9	nw.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	26	46.6^{c}	−0.3	79^{c}	15	20	5	37^{c}	2.88	−0.98	0.61	8.0	7	21	3	6	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	52.6	+3.2	87	15†	22	11	40	2.17	−1.58	0 81	0	6	17	2	11	w.	Philadelphia Sub. Water Co.
New Bloomfield	Perry	679	....	51.3	......	88	28	23	11	43	1.46	......	0.30	......	8	16	8	6	w.	J. Earl Sneaffer
Palmerton	Carbon	398	20	51.0	+3.6	88	28	23	11	37	2.30	−0.94	0.59	3.4	10	16	5	9	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	55 2	+3.1	86	28	31	6	32	1.92	−1.13	1.04	T.	6	12	7	11	sw.	U. S. Weather Bureau.
Phœnixville	Chester	100	28	54.6	+2.8	88	15†	23	11	41	1.82	−1.70	0.73	0	7	19	6	5	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	53	51.6	+3.1	87	28	21	11	38	2.94	−1.12	1.10	T.	8	17	5	8	sw.	John E. Benner.
Reading	Berks	273	68	54.3	+4.0	88	28	29	6	31	2.25	−1.02	0.78	T	8	9	10	11	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	5	49.8	......	87	28	20	11	14	3.43	......	0.79	11.0	11	15	7	8	nw.	Theodore J. Sampson.
Scranton	Lackawanna	746	44	50.5	+2.4	87	28	22	6	37	2.94	+0.17	0.73	11.3	11	6	13	11	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	50.8	+1.3	87	28†	17	7	39	2.68	−0.99	0.59	1.5	10	7	15	8	nw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	42	55.0	+2.9	85	28	26	11	33	2.00	−1.33	0.50	T.	8	13	7	10	s.	W. S. Guiles.
Shippensburg	Cumberland	660	5	52.2	......	87	29†	26	6†	40	1.38	......	0.34	T.	8	12	5	13	sw.	State Teachers College
State College	Center	1,217	54	49.9	+2.4	87	27	23	5	38	2 16	−1.44	0.54	1.0	10	16	6	8	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	52.6	+4.5	90	28	20	11	39	3.52	−0.05	1.05	4 8	7	16	4	10	w.	State Teachers College
Towanda	Bradford	754	44	49.2	+2.8	88	28	18	6	44	2.17	−0.92	0.40	11.0	14	8	13	9	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	48.0	+3.4	88	27	16	11	46	1.94	−1.12	0.48	14.0	7	18	4	8	n.	George W. Hill.
West Chester	Chester	455	89	53.7	+3.8	87	28	27	6	35	2.14	-1.60	1.00	0	7	18	5	7	sw.	Harlan Saylor.
Williamsport	Lycoming	521	52	51.6	+2.6	86	28	23	11	38	3.06	−0.58	1.02	9.6	11	10	9	11	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	52.0	+2.4	86	28	22	7	35	2.35	−1.13	0.90	T	9	13	6	11	sw.	Susquehanna Collieries Co
York	York	400	50	54.1	+3.1	90	28	25	11	44	1.87	−1.32	0.39	T.	9	18	6	6	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	46.0	+1.1	84	27	15	5	52	4.74	+1.84	1 28	9.1	16	4	12	14	......	Frank S. Fawcett.
Butler	Butler	1,077	25	51 2	+3.3	88	27	21	5	53	3.96	+0.59	1 90	0.5	9	14	11	5	w.	William C. Faust.
Chambersville	Indiana	1,047	37	50.8	+1.5	87	27	19	5	45	3.98	+0.10	0.85	1.8	14	13	5	12	nw	John E. Lewis.
Clairton	Allegheny	1,020	6	51.2	......	85	27	26	5†	39	3.33	......	0.86	2.6	12	8	8	14	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	53.6	+2.9	87	27	23	5	45	3.52	+0.13	0 86	2.0	14	16	4	10	n.	J. L. Melvin.
Corry	Erie	1,430	25	48.0	+3.3	85	27	16	5	47	4.32	+0.70	0.57	8.1	12	21	6	3	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	46.2	......	86	28	12	11	50	3.17	−0.47	0.90	14.0	12	14	3	13	w	Philip R. Shaw
Derry	Westmoreland	1,172	41	53.4	+4.0	87	27	24	5†	43	3.71	−0.02	1.01	T.	13	11	14	5	w.	Ted R. Wineman.
Donora	Washington	762	12	54.4	+2.7	89	27	28	5†	42	3.52	−0.11	1 03	0.2	12	10	9	11	w.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	47.4	+2.2	81	27	18	5	36	3.59	+0.39	0.80	7.7	14	19	7	4	w.	D. H. Jones.
Franklin	Venango	957	64	47.2	+1.1	85	27	20	5†	47	3 35	−0.15	0.75	8.5	13	7	3	20	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	52.8	+2.5	85	27	25	3†	36	3.81	+0.41	0.87	1.3	11	11	10	9	sw.	Westmoreland Water Co
Greenville	Mercer	950	42	51.4	+4.7	87	27	20	6	46	3.70	+0.24	0.65	9.4	12	15	6	9	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	50.6	+3.0	83	27	21	5	38	3.56	+0 15	0.83	5.0	14	16	6	8	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	52.6	+3.2	87	27	23	5	45	3.83	+0.70	1.68	1.0	14	21	4	5	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	52.4	+2.5	89	27	26	11	48	2.93	−1.02	1.09	2.2	14	16	7	7	n.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	6	46 5	......	83	27	15	5	41	4.19	......	1.26	14.3	16	13	5	12	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	46	53.2	+3.6	84	27	22	8†	34	3.68	−0.14	0.90	3.0	13	10	8	12	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	47.4	+1.8	92	28	21	4†	46	3.19	−0.34	0 72	6.6	14	15	4	11	sw.	Paul F. Coy
Midland	Beaver	691	1	52 6	......	86	27	24	5	40	3.78	......	1.12	1.0	14	8	10	12	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	50.6	+2.2	87	28	22	5	37	4.20	+0.78	0.82	4 7	17	11	12	7	nw.	New Castle Water Co.
Newell	Fayette	800	18	53.6	+2.6	85	28	27	23	39	2.89	+0 04	0 80	......	9	16	8	6	nw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	52.2	+1.0	86	27	27	3	35	3.27	+0.35	0 90	2.0	13	8	9	13	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	46.2	+0.6	87	28	11	10	44	4.19	+1.16	0 86	7.8	13	11	7	12	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	47.9	+2.1	81	26	20	10	33	2 32	−1.67	0.72	1.8	11	7	14	9	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	25	56.2	+7.7	92	27	28	5	42	3.50	+0.46	1.10	1.5	13	14	6	10	s.	Harry H. Gerber.
Somerset	Somerset	2,190	71	48.0	+1.8	84	19	21	10†	50	2.90	−1.89	1 06	3.0	13	1	8	21	w	D. L. Grove.
Uniontown	Fayette	1,100	50	54.8	+3.6	89	27	21	10	49	3.43	−0 30	1.44	2.0	14	15	10	5	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	24	53.0	+2.6	92	27	24	5	43	1.43	−1.42	0.30	......	10	14	8	8	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	46.3	+1.5	82	28	20	10	36	2.92	−0.70	0.64	9.3	15	10	9	11	nw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	7	54.0	......	87	27	26	10	44	2.76	......	0.86	1.0	6	4	24	2	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	49.0	+3.9	83	27	27	3	31	3.61	+0.88	1.17	5.9	14	6	14	10	w.	U. S. Weather Bureau.
For the State	......	......	51	51.3	+2.7	92	27†	11	10	53	2 85	−0.57	1.92	3.5	10	13	7	10	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-6-11-38-1050.

Daily Precipitation for April, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖	Lehigh	.10						.43	.02	.73	.06						.01			1.05		.56	.16	.02									3.14
Altoona	Juniata	.08	T.				T.	.05	.78	.32									.39	.37			.04			T				.20	.21		2.44
Ansonia‖	W. Br. Susq	.01		T.	.01	T.		.44	.03	.23	.15						T.		.17	.52		T.	.50			.07					T.		2.13
Ardmore‡	Lower Del			T.			T.	.03	.70	.20								.03	.90		T.		.19								.04		2.09
Arendtsville‖	Lower Susq			T.			T.	T	.43	.37							T.		.58		T.		.29								.16		1.83
Baker's Summit	Juniata						.07	.08	.80	.22									.23	.36	.13		.03							.25	.01		2.18
Bald Eagle ‡	Middle Susq						.39		.50	.73									.52				.10							.11	.05		2.40
Bedford	Juniata		T.	T.			T.	T.	.63	.22									.34	.16	T		T.							.17	.06		1.58
Bellefonte	W. Br. Susq		T.	.20			.56	.38	.20	.28								T.	.36		.05	.20				T	T.			.13	.08		2.39
Berwindale‡	W. Br. Susq						.50	.08	.65	.65									.32		.16		.12						.01	.14	.10		2.73
Bethlehem	Lehigh	.16					.04	.40	.33	.61							.03	T.	.95	.15		.43	.13							T.	.10		3.33
Big Knob‖	Middle Susq	.11		.01				.09	.14	.19	.06								.02	.39		.06	.12	T									1.19
Bloserville‡‡	Lower Susq			T.			T.	T	.05	.32								T.	.30			.60	.16								.04		1.47
Buffalo Mills‖	Potomac		.08						.58	.15	.26									.45			.02							.12			1.66
Carlisle	Lower Susq	.01	T.	.01			T.	T.	.30	.40			T.				T.	T.	.30	.40	T.					T.					.41		1.83
Carter Camp‡	W. Br. Susq						.26			.40									.67				.56			.10							1.99
Center Hall	Susquehanna		.08		T.	T.	.24	.14	.56	.24									.21		T.					.01							1.48
Chambersburg	Potomac								.25	.12									.32	.30	T	T.	.23								.06		1.28
Clearfield	W. Br. Susq		T.		T.		.08	.35	.28	.30								T.	.21		.31		.51							.55			2.59
Coatesville	Lower Del						T.	.01	.46	.20								T.	.87				.07								.20		1.81
Colebrook	Lower Susq	.02		T.			T.	.06	.39	.47									.34	.28	.34		.34			T.					.18		2.42
Conshohocken	Schuylkill		T.	T.				.08	.51	.58									.50	.21			.08								.05		2.01
Doylestown	Lower Del		.01					.12	.42	.28									.73	.15		.05	.19								.09		2.04
Driftwood‡	W. Br. Susq								.42	.54					.05				.10				.42						.10	.05			1.68
Du Bois	W. B. Susq		.02		.02	.01	.16	.55	.42	.76	.01							.02	.24	.15	.11		.47			.01				.18	.12		3.25
Emporium	W. Br. Susq		T.		.01	.01	.51	.39	.45	.72	.01								.39		T.	.01	.45			.08				.07	.01		3.11
English Center‡	W. Br. Susq								.35	.47						.12			.30		.15		.27										§
Ephrata	Lower Susq			T.				T.	.34	.42									.64	.21		.06	.15								.20		2.02
Forest City‖	N. Br. Susq			.10		T.	.15	.52		.30	.65						.07			.77		.28	.16			T.				.09			3.09
Fredericksville	Schuylkill	.23	T.	T.			T	.23	.37	.89									.97		.11	.50	.18							T	.12		3.10
Freeland‖	Lehigh	.80		.02	T.	T.		1.10	.02	1.10	.20				.10		.26		.01	.67		.16	.26	.01			.05				T.		4.76
Galeton	N. Br. Susq		T	T	.03	T.	.42	.37	.44	.30	.02								.42		T		.45			.05				.03	T.		2.53
George School	Lower Del	.01					T.	.09	.52	.42								T.	1.05	.06		T.	.14								.07		2.36
Gettysburg	Potomac		T.	T.			T.	.05	.59	.13			T.				T.	.02	.46	.07		.17	.27								.16		1.92
Girardville‖	Lower Susq		.03				.64		.33	.64					.02				.49		.41	.21				T.					.07		2.84
Gordon	Lower Susq						.10	.26	.34	.61									.41	.13	.35	.21	.24							.02			2.67
Gouldsboro‡‡	Lehigh							.90		1.10	.14									.52		.15	.30							.27			3.38
Graterford	Schuylkill		.02	.01				.06	.17	.11								T.	.82				.06								.07		1.32
Hamburg	Schuylkill			T.			T.	.28	.25	.60									.40	.09	.44	.10	.27										2.43
Hanover	Lower Susq	.01	T.	T			T.	.10	.46	.20							T.	T.	.53	.19		.08	.22								.16		1.95
Harrisburg***	Lower Susq	T.	T.	T.			T.	.07	.25	.85								.01	.52		.17	T	.21			T.					.11		2.19
Hawley‖	Upper Del	.06		.01		T.		.68		1.16	.41						T.			.54		.08	.28	.03						.09			3.34
Hollisterville‖	Upper Del	.05		.01				.89	T.	1.90	.33						.02		T.	.62			.29	.05						.33	T.		4.49
Holtwood‡‡	Lower Susq	.05		T.				.05	.02	.57	.03									.98		.02	.06	T.									1.78
Huntingdon	Juniata	T.	T.	T.		.01	.07	.07	.60	.22								T	.01	.38	T.					03				.14	.10		1.63
Huntsdale‡	Lower Susq								.20	.12									.43				.14								.19		1.08
Hyndman‖	Potomac	.05		T.	T.			T.	.38	.18	19								.10	.44		T.	.04							.04			1.42
Kylertown	W. B. Susq		T.	T.	.01	.01	.42	.62	.67	.44	T.			T.			T.	T.	.09	.08	.06		.16			T.				.27	.07		2.90
Lakeville‖	Upper Del	.06	.01	T.			T.	.91	.05	1.67	.33									.50		.05	.32	T						.32	T.		4 22
Lancaster	Lower Susq			T.				.04	.36	.43									.65	.12		.05	.13								.34		2.12
Lansford‖	Lehigh	.01		.06				.45		1.16	.15						.01		T.	.36		.22	.40				T.			T.			2.82
Lawrenceville	N. Br. Susq		T.	T.		T.	.50	.25	.40	.30			T.			T.			.10		.05		.43								T.		2.03
Lebanon	Lower Susq		T.				.13	.02	.93	.09						T.			.47		.57	.62	T								.17		3.00
Lehighton‖	Lehigh	T.		T.			T.	.62	.08	.97	.23				T.		.03			.52		.38	.26	T.							T.		3.09
Lock Haven	W. Br. Susq	.29	T.	.02			.47	1.10	.70	.37	.14						T.	T.	T.	.10		T.	.30			.03				.08	.01		3.61
Marcus Hook	Lower Del		T.					.02	*	1.00									.46				.01								.10		1.59
Matamoras‖	Upper Del							.59		1.08	.12									.48		.22	.24										2.73
Mauch Chunk	Lehigh			T.			.24	.66	.29	.94					T.		.10		.34		T.		.41			T.					T.		2.98
Mifflintown	Juniata																																
Millersburg‡	Lower Susq							.08	.23	.22									.45		.20	.07	.19	.06							.09		1.59
Millville‡	N. Br. Susq		.05				.31	.11	.30	.36						.07			.98	.02	.15		.16						.30				§
Montrose	N. Br. Susq		.03	.01			.16	.29	.32	.47							T.		.19	.11	.07		.33							.11			2.09
Morris Run	N. Br. Susq	.02	.06		.05	.05	.46	.29	.42	.48					T.	.04			.32	.12			.46			.05							2.82
Mount Pocono	Upper Del						.33	.20	.30	.60	.10						.10		1.00	.16		.10											2.89
Mt. Union‡	Middle Susq								.42	.26									.60		.30		.30						.05	.08	.09		1.83
Muncy Valley	W. Br. Susq	.17					.57	.34		.41							T.		.61	.47			.31			T.							2.88
Neshaminy Falls‖	Lower Del		T.				.01	.04	.79	.24								T.	.81			T.	T.								.28		2.17
New Bloomfield	Juniata						T	.10	.30	.29									.26	.25	.03	T.	.20								.03		1.46
New Park	Lower Susq							.10	.40	.23								.03	.95		.07										.10		1.88
Newport‖	Juniata	.12						.03	.17	.43									T.	.60		.03	.13										1.51
Orwigsburg	Schuylkill			T.			*	.39		1.92							T.		.26		.53		.39			.01					.10		3.60
Palmerton‡	Lehigh	T.	T.	T.	T.		.34	.14	.24	.59					T	.02			.41	.07	.08		.29			T.				T.	.12		2.30
Paupack‖	Upper Del	.09						.87		1.43	.09									.52				.23					.11				3.34
Philadelphia***	Lower Del		T.	T.			T.	.04	.86	.19									.69			T.	.10								.04		1.92
Phila. Navy Yard ‡	Lower Del		.01				T.	.02	1.05	.01								T	.67			T.	.06								.06		1 88
Phila-P'nt Breeze ‡	Lower Del		T.	T.			T.	.02	.73	.15								T	.71			T.	.12								.06		1.79
Phoenixville	Schuylkill	T						.02	.45	.41	T.							T.	.57	.16		.04	.17								T.		1.82
Pine Grove	Lower Susq						.30	.17	.35	.55									.35	.03	.40	.04	.36								.05		2.60
Pleasant Mt.	Upper Del						*	.70		1.03									.70		.07		.17					.32	.05				3.04
Pottstown	Schuylkill																																
Pottsville	Schuylkill						T.	.39	.10	.96							.01		.26	.14	.03	.19	.34			T.				.01	.10		2.53
Quakertown	Lower Del	.01					T.	.40	.41	.49									.73	.37			.48								.05		2.94
Reading***	Schuylkill		T.	T.			.10	.09	.21	.50						T.	T.		.78	T.	.31	T	.15						T.		.11		2.25
Renovo‖	W. Br. Susq	.30						1.14	.20	.68	.30				.06				.04	.18		.06	.32			.04				.05			3.37
Retreat	N. Br. Susq		.06	T.			.53	.43	.30	.50							.12	T.	.79		.09		.43						.10	.08			3 43
Scranton***	N. Br. Susq	T.	T.	T.	T.	T.	.55	.10	.44	.67	T.				T.	.01		T.	.44	.09	.05	T	.40			T.			.09	.10	T.		2.94
Selinsgrove	Lower Susq						.30	.32	.24	.50									.29	.30		.03	.16							.50	.04		2 68
Sellersville‡	Lower Del							.11	.64	.26									1.67	.30	.24		.10								.06		3.38
Shade Gap‡	Middle Susq								.34	.25									.37		.10	.05	.13								.02		1.26
Shawmont	Schuylkill		.01	T.				.02	.41	.45									.50	.38			.20								.03		2.00

Continued on page 21.

Daily Precipitation for April, 1938—Continued from page 20

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq	.01		T.		T.	T.	.02	.28	.20	T.			T.				T.	.34	.13	T.	T.	.22								.18		1.38
State College	W. Br. Susq	.08	T.	T.	T.	T.	.24	.37	.54	.36	T.									.21	T.		.12			.02				.16	.06		2.16
Stroudsburg‖‖	Upper Del		T.					.57		*	1.24				T.					1.05		.30	.32								.04		3.52
Sunbury‖‖	Lower Susq	T.		T.				.82	.08	.37	.38			T.		T.	T.		T	.68		.03	.10	.10						.53	T.		3.09
Susquehanna‖‖	N. Br. Susq	.03		.03		.01		.35	.15	.22	.50						.10		.01	.23		T.	.26							.11	.02		2.02
Towanda	N. Br. Susq	.07	.03	T.	T.	.01	.33	.33	.40	.39	.01		T.			.17		T.	.10	.12	.02		.14			T.				.05	T.		2.17
Weikert	Lower Susq						.50	.51	.50	.50									.36		.28									.15			2.80
Wellsboro	N. Br. Susq		T.		T.		.48	.20	.41	.32						T.			.21		T.		.30			.02							1.94
Wernersville [near]	Schuylkill																																
West Chester	Lower Del		T.					.03	.53	.37									.80	.20			.10								.11		2.14
Westgrove‖‖	Lower Del	T.						T.	.02	.52	.03									1.00		.03		.10							T.		1.70
Wilkes-Barre‖‖	N. Br. Susq	.09		T.	T.	T.		1.02	T.	.51	.67						.02		.02	.58		.32	.53	.11			.02			.32			4.21
Williamsport‖‖	W. Br. Susq	.28		.01				1.02	.05	.48	.38						.01		T.	.52		T.	.19	T.		.06				.06			3.06
Williamstown	Lower Susq				T.		T.	.11	.05	.37									.24	.18	.09	.90	.29							T.	.12		2.35
York	Lower Susq		T.	T.				.03	.39	.29								.02	.29	.23		.11	.14								.37		1.87
York Haven‖‖	Lower Susq	.14						.02	.05	.59	.12									.54		.05	.34										1.85
Zionsville (near)	Schuylkill	.15					T	.60	.55	.60									90	.22		.56	.18								.10		3.86
Trenton, N. J***	Lower Del		.01	T.		T.	.04	.08	.79	.16					T.		T.	T.	.98	.02	T.	T.	.17								.06		2.31
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	.03	T.	.06	.04	T.	T.	.97	.31	.70	.48							.03	T.	.36		.02	.07			T.				.56	.11		3.79
Blairsville	Allegheny	.33	.03	.07	.02	.06		.37	.73	.17	.85								.03	.42		.07	.31							.08	.20		3.74
Bradford	Allegheny		T.	.03	.11	T.	.18	.08	.50	.90				T.					.37	35	T.		.21							.17	T.		2.90
Brookville‖‖	Allegheny	.37		.01	.06	.04		1.28	.16	.69	.65						.01		.21	.13		.05	.39			.28				.21	.20		4.74
Buckstown‡	Allegheny								60	.37									.64		.08	.04								.21			1.94
Butler	Ohio		T.	T.		T.	.05		1.90	91								.19	.15		.04		.12							.42	.18		3.96
Chambersville	Allegheny		.03	.04		02	.26	.41	.85	.80									.22	.22	.34	.29				.08				.33	.09		3.98
Clairton‡	Monongahela		.05	.01			.70	.86	.69	.29								.03	.37		.04	.16							.12	.01			3.33
Clarion	Allegheny			.03	.03	.08	.04	1.42	.35	.85	.69							.07	.59	.35		.01	.22			.06				.27	.16		5.22
Claysville	Ohio		.08	.01	.03		.54	.35	.56	.86	.01					T.		.08	.33	.26	.25	T	.04							.12			3.52
Confluence‖‖	Youghiogheny	.10		.05				T.	.35	.50	.55								T.	.80		.10	.08							.32			2.85
Connellsville	Monongahela	.12		T.	T.	T.		.02	.37	.31	.67								.06	.43			.07							.28			2.33
Corry	Allegheny			.08	.11		.50	.52	.52	.25	.57							.18	.40	.47			.30							.42	T.		4.32
Coudersport	Allegheny		T.	T.	.02	.08	.40		.20	.90	.04								.80		.10	.02	.50			.09				T.	.02		3.17
Derry	Conemaugh	.10	.03	T.	.02		.11	.28	.61	1.01	.03								.36	.28	.05		.23							.60			3.71
Donora‖‖	Monongahela		.01	T.			.58	.02	1.03	.93								.03	.52		.03	.26	.02						.06	.03			3.52
Dunlo‡	Allegheny				.05		.04	.03	.30	.67	.02								.73	.04		.11	.06							.20			2.25
Ebensburg	Conemaugh	.18		.08	.02	.10	T.	.31	.80	.67	.12								.31	.35			.18			.01				.25	.21		3.59
Franklin‖‖	Allegheny	.22		T.		.07		.44	.08	.75	.28						T.	.06	.50	.42		.05	.14			T.				.29	.05		3.85
Greensboro‖‖	Monongahela			.08	.02		.02	.07	.30	.45	.99							T.	.27	1.10		.01	.09							.33			3.73
Greensburg	Youghiogheny		.03	.02			.18	.48	.83	.87	T.							T	.54	.37	.04	T.	.28							.17	T.		3.81
Greenville	Beaver		T.	.04	.10	T.	.65	.22	.62	.55	T.			T.				.21	.45	.30	.05	T.	.16							.35			3.70
Grove City	Beaver	T.	.06	.02	.18		.50	.17	.83	.51	.13							.06	.49	.15						.08			.31	.07			3.56
Herrs Isl. Dam‖‖	Ohio																																
Irwin	Monongahela	.15	.01	.03			.25	.36	.50	1.68	.10							.02	.23		.02	T.	.34							.12	.02		3.83
Johnstown	Conemaugh	.06	.03	.01		.03	.12	.04	1.09	.52	.06							T.	.46	.12	T.		.12							.25	.02		2.93
Kane (near) ‡‡	Allegheny		T.	.06	.13	.08	.43	.41	.46	.47	.05			T.				.08	1.26	.03	.07		.28			.05				.31	.02		4.19
Kregar‖‖	Youghiogheny		.06	T.	T.		.15	.27	.24	.91								.11	.73		.05	.15							.43				3.10
Lake Lynn‖‖	Monongahela	.13		.11				.02	.63	.43	.92							.05		.85		.43	.11							.22			3.90
Linesville‖‖	Beaver		.05	.04	T.	.03	.57	.42	.97	.20			T.	.04	T.		.17	.65	.35	.03	T.	.13			.13	T.			.03	.03			3.84
Lock No. 2‖‖	Ohio	.10	T.	.02	.05			.89	.42	.60	.48							.08	T.	.28		.02	.12							.38	.02		3.46
Lock No. 4‖‖	Monongahela	.26		.02	.02		.01	.52	.38	.63	.89							T.	.06	.51		.05	.34							.11			3.80
Lock No. 5‡‡‖‖	Allegheny	.72	T	.04	.04	T.	T.	.89	.84	.63	.76							T.	.07	.29		.09	.19			T.				.21	.03		4.30
Lycippus	Conemaugh		.12	.02			.12	.30	.90	.80								.02	.38	.40	.06	T.	.17							.37	.02		3.68
Marienville‡	Allegheny								.63	1.28								.27	.94		.08	.12	.13						.18	.11			3.74
McKeesport‖‖	Monongahela			T.				.93	.60	.37	.70							T	.02	.20		.10	.20							.12			3.24
Meadville	Allegheny	T		.03	.02	T.	T.	.58	.11	.72	.32			T.	.07		T.	.20	.13	.59	T.	T.	.26			.06				.08	.02		3.19
Mercer‡	Ohio			.10	.08		50	.37	.62	.42								.07	.80			.17	.07			.02	.02		.33	.08	.02		§
Midland	Ohio		.06	T.	.06		.01	1.12	.57	.79	.08							.03	.04	26	.01		.04							.60	.11		3.78
Mosgrove‖‖	Allegheny	.54		.10	.10	.02	T.	.96	.32	.78	.29							T.	31	.32		T.	.20			.04				.22	.08		4.28
Mount Lebanon	Ohio		T.	.02	T.		.71	.19	.91	.92								.12	.70		.20	.10	.11							.57			4.55
Natrona‖‖	Allegheny	.39	T.	.05	T.		T.	.99	.35	.62	.67							T	.06	.30		.19	.34			.11				.35	.02		4.44
New Castle‖‖	Beaver	.02	.02	.02	.10	T.	.18	.82	.40	.58	.27							.07	.38	.55		.04	.14			.02	T.			.42	.17		4.20
Newell	Monongahela							.50	.80	.40	.22								.40	.20		.02				.20				.15			2.89
Parkers Landing‖‖	Allegheny	.24	T.	T.	T.	.08	.04	1.30	.35	.70	.60							T.	.54	.28		T.	.13			.10				.26	.20		4.82
Pennline‖‖‡‡	Beaver		.03	.05	T.		.47	.28	.94	.08			.04	.02			.21	.16	.37	.07		.13			.07				.07	.04			3.08
Pittsburgh***	Ohio		.01	.01	T.		.86	.05	.50	.64								.03	.35		.14	.28	.04						.39	.02	T.		3.27
Punxsutawney‖‖	Allegheny	.57	T.	.03	.03	.02	T.	1.07	.25	.52	.70								.05	.42		.07	.20			.01				.14	.13		4.21
Ridgway	Allegheny	.20		T.	T.	.02		.82	.09	.35	.86								.57	.52		.02	.33			.13				.22	.06		4.19
Rochester‡	Ohio			.13	.01	.01	.97	.13	.67	.67								.10	.34		.08	.02	.06	.02					.44	.08	.09		3.82
Salisbury (near)	Youghiogheny		T.	.06	T.			.28	.44	.20	.05							T.	.72	.02	.09	.02	.19							.25			2.32
Saltsburg‖‖:	Conemaugh	.34	T.	.03		T.	T.	.60	.56	.49	.86							T.	.05	.24		.07	.33							.25	.02		3.84
Sharon‖‖	Beaver	.02		*	.13	T.	.06	.89	.53	.57									.60	.26		.04	.14			T.				.19	.07		3.50
Smethport‖‖	Allegheny			T.	T.	T.	T.	.70	T.	.58	.72						T.	T.	.10	.50	T.	.05	.29						T.		.05		3.04
Somerset	Youghiogheny		.01	.01			.03	.03	1.06	.24	.11								.29	.28	.19		.22							.37	.06		2.90
Springdale‖‖‡‡	Allegheny	.24		.02	.03			.83	.37	.62	.71								.10	.29		.13	.34							.28	.02		3.98
Titusville‡	Allegheny						.76	.11	.83	.61								.42	.29			.21	.16						.27	.05			3.71
Union City‡	Allegheny		.02	.10	.02		.37	.03	.80	.32				.18				.59	.63	.01	.26	.06				.04	.01		.04	.05			§
Uniontown	Monongahela	.01	.05	.02			.07	T.	.32	1.44	.03						T.	.21	.46	.40	.03	.01	.12							.26			3.48
Unity Reservoir‡‡	Youghiogheny	.10	.02	.01	.02		.18	.41	1.05	.90	.03								.47	.43	.04		.37							.34	T.		4.37
Vandergrift‡	Conemaugh		T.				.06	.07	.30	.30								T.	.16		.11	20	.08							.12	.03		1.48
Warren	Allegheny			.12	.12	.04	.43		.64	.45	.03				.10			.10	.35	.04		.04	.12			.08				.26			2.92
Waynesburg	Monongahela		T.				.32		.82	.36								.06	.54				T.							.16			2.76
Westford‖‖	Beaver			T.			.90	.25	.68	.10							.16	.12		.14		.16							.10	.02			2.63
West Newton‖‖	Youghiogheny	.35						.90	.50	.38	1.15								.04	.40		.02	.18							.12			4.04
Lake Drainage.																																	
Erie***	Lake Erie		.04	.15	.15		.31		1.14	.10				.30				.15	1.07		.01	.11	.03						T.	.03	.02		3.61
Raymond‡	Genesee						.12		.20	.17								.03	.57		.09	.04	.46										§

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

Daily Temperatures for April, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	63	51	37	44	43	39	30	33	33	37	61	66	73	79	72	70	53	67	73	77	69	62	58	62	74	76	86	85	79	54	....	60.2
	Minimum	42	37	25	30	22	27	20	29	30	24	23	38	41	49	53	49	47	48	49	52	41	48	26	32	41	41	46	56	48	38	....	38.4
Bedford	Maximum	66	57	41	50	48	45	38	36	40	42	68	70	76	79	78	74	56	67	76	82	70	64	60	65	77	79	89	87	86	61	....	64.2
	Minimum	44	37	29	30	28	28	28	30	34	28	24	34	35	40	47	50	46	44	52	45	48	54	27	30	39	40	44	51	55	42	....	38.8
Bethlehem	Maximum	63	62	48	49	49	49	35	35	37	4	59	73	75	83	81	79	65	69	75	86	86	70	65	63	73	77	76	89	89	76	....	65.9
	Minimum	47	37	32	34	34	26	25	32	32	33	26	40	45	52	58	52	43	49	55	50	53	50	36	40	57	48	58	56	62	49	....	43.0
Brookville	Maximum	56	40	39	43	43	31	32	37	37	39	61	67	73	77	76	69	67	67	73	70	72	56	60	66	71	77	84	82	58	54	....	59.2
	Minimum	40	28	25	26	15	21	26	29	31	18	18	23	32	36	42	42	50	48	42	45	39	40	21	28	38	31	35	30	46	36	....	32.7
Butler	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carlisle	Maximum	68	62	48	55	58	42	36	36	42	51	65	75	80	84	80	76	60	65	77	88	72	67	56	66	76	78	82	91	85	70	....	66.4
	Minimum	45	39	32	29	29	28	28	28	34	31	24	35	38	43	45	52	48	48	53	45	53	52	34	32	33	43	51	53	60	45	....	40.6
Chambersburg	Maximum	66	58	46	54	53	45	37	37	41	47	62	74	77	83	78	74	57	67	77	87	72	62	59	66	77	78	83	90	80	65	....	65.1
	Minimum	48	40	33	33	31	30	29	31	34	31	25	37	42	45	55	54	48	47	52	50	52	54	32	32	36	48	47	54	62	42	....	41.8
Chambersville	Maximum	74	52	41	46	44	41	33	41	44	42	64	78	74	80	76	74	71	68	72	74	74	70	59	67	73	80	87	84	72	59	....	63.8
	Minimum	37	32	23	30	19	25	25	26	28	23	23	58	37	43	47	45	51	54	46	49	57	45	20	35	47	35	46	49	46	37	....	37.9
Claysville	Maximum	71	57	44	50	52	49	41	52	53	48	68	70	77	81	77	79	81	78	78	77	76	71	60	70	75	82	87	85	80	64	....	67.8
	Minimum	40	33	27	28	23	31	33	34	30	25	27	38	42	45	48	46	58	57	41	52	43	47	24	34	50	37	44	55	49	37	....	39.4
Clearfield	Maximum	72	56	41	41	46	44	32	35	38	44	63	68	75	84	78	70	56	68	74	73	75	66	69	64	80	81	88	85	62	58	....	62.9
	Minimum	41	35	27	29	20	26	26	29	30	24	20	30	34	41	45	45	50	48	50	44	44	43	25	30	41	56	41	48	48	40	....	36.3
Coatesville	Maximum	58	58	44	53	48	39	38	37	51	47	59	71	76	82	83	69	63	71	74	86	75	67	51	65	73	75	77	89	80	68	....	64.2
	Minimum	51	36	34	28	30	26	25	33	35	33	25	35	40	47	57	52	42	52	52	48	53	51	37	34	34	41	44	54	59	47	....	41.2
Corry	Maximum	55	40	37	42	38	32	44	39	38	40	62	68	73	76	73	76	74	65	73	71	73	63	60	63	66	79	85	82	75	54	....	60.5
	Minimum	34	29	22	27	16	20	24	28	27	19	23	37	40	45	54	45	48	53	42	50	34	39	22	37	45	32	41	51	40	37	....	35.4
Coudersport	Maximum	67	45	39	39	36	34	38	34	40	40	57	63	70	76	77	67	56	59	72	67	73	65	59	61	70	79	85	86	76	50	....	59.3
	Minimum	39	29	22	27	20	16	22	22	26	20	12	27	30	36	46	42	47	47	48	47	32	33	23	29	40	29	36	68	45	37	....	33.2
Donora*	Maximum	61	43	46	49	50	58	42	52	52	42	66	74	80	81	78	79	82	73	77	76	73	60	65	71	74	84	89	85	63	64	....	66.3
	Minimum	43	33	30	32	28	35	37	38	30	28	33	41	47	48	52	52	59	57	53	51	48	40	33	41	50	42	48	58	45	43	....	42.5
Ebensburg	Maximum	68	53	38	41	41	38	31	35	32	37	50	62	63	74	72	70	53	62	70	67	64	64	57	59	70	78	81	80	74	55	....	58.0
	Minimum	38	32	21	27	18	21	24	25	30	21	24	27	40	49	52	49	44	46	45	51	41	45	26	35	43	42	51	56	45	38	....	36.9
Emporium	Maximum	70	53	39	41	40	38	37	36	38	40	60	65	74	78	75	60	62	62	74	72	75	72	60	65	74	80	87	84	78	59	....	61.6
	Minimum	42	32	28	31	18	20	26	32	30	18	17	29	31	40	46	50	52	50	50	47	41	47	23	28	44	33	37	46	48	40	....	35.9
Ephrata	Maximum	65	59	50	56	50	43	36	37	48	50	63	75	78	85	82	75	62	67	77	88	74	68	64	69	75	78	79	92	82	67	....	66.5
	Minimum	49	39	35	32	30	28	29	34	36	34	26	38	40	47	53	53	46	55	52	47	54	53	36	34	35	44	50	53	58	48	....	42.3
Erie*	Maximum	47	37	37	40	34	32	44	41	38	38	64	59	69	75	69	68	78	73	75	69	56	50	48	63	60	64	83	83	56	48	....	56.6
	Minimum	37	31	27	31	28	27	28	34	31	31	33	48	52	60	44	44	52	53	46	48	41	40	36	46	45	44	59	56	45	43	....	41.3
Franklin‡	Maximum	55	39	39	41	42	31	35	39	38	39	63	67	74	79	75	74	75	67	74	64	72	52	62	65	68	78	85	82	55	55	....	59.5
	Minimum	39	33	24	25	20	20	21	29	32	25	24	29	35	40	46	45	47	51	43	44	37	38	25	26	39	37	38	42	50	40	....	34.8
Freeland	Maximum	57	54	39	38	36	24	31	31	35	34	49	61	64	71	71	64	54	54	66	75	66	58	53	53	63	70	71	80	73	53	....	54.9
	Minimum	40	30	25	28	22	19	20	26	28	25	23	39	45	53	59	46	37	49	48	55	46	45	29	39	38	42	50	52	53	41	....	38.3
George School	Maximum	65	59	50	53	51	46	37	38	51	49	58	70	75	83	86	72	60	71	74	86	84	68	64	63	69	75	77	88	80	68	....	65.7
	Minimum	47	34	34	30	28	26	29	35	37	34	25	42	41	47	51	53	38	54	53	51	54	49	37	35	37	39	43	52	60	47	....	41.4
Gettysburg	Maximum	66	63	48	56	54	49	39	39	44	48	63	75	79	84	84	77	58	64	77	87	81	68	60	67	74	75	79	89	83	72	....	66.7
	Minimum	50	41	33	33	34	30	29	32	35	32	26	40	41	47	55	53	47	53	51	51	53	55	35	35	37	48	48	56	61	48	....	43.0
Gordon	Maximum	62	58	43	45	45	39	34	34	41	44	60	73	74	79	79	73	60	62	73	86	72	64	59	62	70	77	76	86	81	64	...	62.5
	Minimum	44	29	31	24	24	24	25	32	32	31	19	35	35	47	47	54	41	52	50	46	46	50	30	27	34	38	43	49	54	42	....	37.8
Greensburg	Maximum	70	54	43	48	46	51	42	44	49	42	62	66	71	76	74	77	76	66	75	80	74	67	57	67	72	78	85	82	76	62	....	64.4
	Minimum	37	34	25	29	25	30	33	36	31	27	29	42	44	50	49	53	53	55	48	53	45	48	28	38	51	43	49	58	51	40	....	41.1
Greenville	Maximum	66	51	43	43	46	41	36	42	41	45	67	70	76	80	77	81	80	72	77	75	75	72	65	67	69	81	87	86	78	59	....	64.9
	Minimum	37	32	25	31	22	20	30	32	30	25	27	42	42	50	54	47	52	55	42	54	36	41	24	35	47	35	42	52	45	29	....	37.8
Grove City	Maximum	64	51	38	40	42	41	33	39	41	40	62	65	72	76	74	75	75	71	73	72	71	69	63	64	68	78	83	82	79	55	....	61.9
	Minimum	39	29	23	31	21	24	29	29	28	24	38	36	49	54	58	44	50	56	44	49	39	42	27	31	52	45	45	58	44	39	....	39.2
Hamburg	Maximum	65	60	46	52	49	43	35	35	42	45	58	71	77	82	83	73	60	63	76	85	71	67	61	65	72	72	78	88	84	67	....	64.2
	Minimum	49	39	35	30	28	27	26	31	33	39	26	39	46	51	56	52	45	56	55	50	54	52	38	42	37	48	50	55	62	51	....	43.4
Harrisburg*	Maximum	64	52	44	52	48	37	35	37	42	46	64	70	76	80	77	69	58	64	74	85	69	64	60	62	71	74	79	87	74	62	....	62.5
	Minimum	50	39	34	35	33	28	28	34	35	34	33	42	46	52	58	53	46	56	53	54	56	45	39	40	43	50	53	59	56	47	....	44.4
Hawley	Maximum	63	56	43	45	38	31	40	36	38	38	56	68	71	79	77	68	55	63	69	82	72	66	61	65	68	74	82	87	80	62	....	61.1
	Minimum	37	26	27	20	21	14	23	28	30	28	16	28	32	43	45	48	37	48	45	40	43	47	29	20	31	33	30	49	53	45	....	33.9
Holtwood*	Maximum	63	52	46	54	50	39	37	40	48	46	57	68	72	81	79	65	59	66	73	62	72	64	60	66	70	72	75	82	76	64	....	61.9
	Minimum	52	41	33	34	36	32	32	37	38	37	31	41	41	47	54	53	48	55	55	51	56	48	41	41	41	50	54	56	60	51	....	44.9
Huntingdon	Maximum	64	50	43	49	48	36	34	35	39	44	67	70	77	82	76	71	61	69	76	82	72	62	62	66	78	80	90	88	76	62	....	63.6
	Minimum	47	37	29	29	23	25	29	33	34	30	21	30	36	40	47	52	50	48	54	43	44	44	27	30	40	39	44	51	54	43	....	38.4
Johnstown	Maximum	73	53	42	50	49	45	37	40	42	43	74	70	75	80	76	73	65	71	76	78	76	63	65	67	78	84	89	86	77	62	....	65.3
	Minimum	43	34	28	32	27	32	31	30	32	27	26	32	39	43	49	51	50	49	51	49	43	47	30	34	43	41	41	52	50	50	....	39.5
Kylertown*	Maximum	55	40	36	42	39	26	29	32	34	35	56	63	70	74	73	58	52	65	70	72	68	54	58	60	72	76	84	81	58	53	....	56.2
	Minimum	34	30	25	25	20	24	24	28	28	21	22	38	38	49	54	44	46	49	48	46	39	32	28	35	44	42	53	57	44	39	....	36.9
Lancaster	Maximum	66	66	52	56	56	53	38	38	49	50	60	74	78	85	84	81	64	68	76	88	85	70	63	66	73	78	79	91	85	74	....	68.2
	Minimum	45	34	33	27	26	26	28	32	35	32	23	32	36	42	49	52	45	51	49	44	53	52	31	30	31	38	43	49	54	44	....	38.9
Lawrenceville	Maximum	62	54	38	42	40	32	42	40	38	37	57	68	75	80	80	71	62	65	77	75	75	70	60	66	70	77	90	88	83	59	....	62.4
	Minimum	37	33	25	28	22	20	23	30	27	23	15	31	33	39	49	43	47	48	45	50	35	45	27	28	44	35	40	48	52	41	....	35.4
Lebanon‡	Maximum	66	55	47	53	49	36	36	37	42	48	62	73	79	84	82	65	60	64	75	85	71	66	61	65	72	75	77	88	77	59	....	63.6
	Minimum	44	39	34	31	26	29	28	29	34	32	26	36	43	48	54	53	41	42	50	47	55	51	36	35	35	43	48	54	59	47	....	41.0
Lock Haven	Maximum	63	62	47	48	50	44	37	37	38	45	60	71	74	79	82	79	63	64	77	84	75	72	60	66	75	76	87	90	86	63	....	65.1
	Minimum	44	35	32	33	25	26	27	32	33	28	24	33	37	48	52	50	51	52	52	48	45	51	30	33	43	42	46	55	58	45	....	40.3
Marcus Hook*	Maximum	67	51	57	57	50	38	40	59	55	62	72	77	81	89	84	68	74	76	88	84	75	68	64	70	72	79	85	85	79	67	....	69.1
	Minimum	42	39	38	35	31	32	36	38	37	34	46	48	51	57	53	42	55	57	55	57	53	40	43	43	48	48	59	62	51	48	. ..	45.9
Meadville	Maximum	49	35	57	39	39	34	40	39	34	39	70	67	72	77	72	75	75	67	72	60	72	48	60	63	63	75	83	92	60	55	....	59.4
	Minimum	32	25	23	21	23	25	29	32	21	27	33	40	44	50	48	49	51	41	45	35	37	24	27	43	35	37	49	46	37	30	....	35.3
Midland	Maximum	68	59	42	46	46	45	37	50	48	44	63	67	74	74	74	77	79	68	75	69	70	70	65	68	78	76	86	84	75	60	....	64.6
	Minimum	48	34	28	34	24	30	34	33	32	30	28	40	42	43	47	47	55	55	45	53	41	54	30	38	50	41	46	51	48	40	....	40.7
Montrose	Maximum	58	52	35	40	46	26	41	39	38	33	52	65	69	76	76	59	54	61	68	77	68	63	54	62	65	70	81	83	76	56	....	58.1
	Minimum	38	30	23	25	21	14	21	26	27	24	19	38	38	49	56	45	40	47	47	51	42	43	29	35	39	37	47	57	54	39	....	36.7
Mount Pocono	Maximum	52	41	36	40	37	30	31	35	38	39	42	63	65	73	73	65	53	59	67	74	68	58	55	58	62	70	71	82	69	64	....	55.7
	Minimum	41	29	28	30	20	15	19	22	28	28	20	34	41	54	55	46	35	44	50	52	48	45	30	27	39	35	49	55	56	43	.. .	37.3
Muncy Valley	Maximum	61	58	48	47	41	37	41	43	44	41	54	61	70	77	79	58	61	57	76	73	66	57	65	59	....	....	....	....	....	68	....	57.7*
	Minimum	37	33	29	25	20	22	27	29	24	27	23	33	35	42	44	43	44	47	42	47	49	41	28	31	34	37	41	52	42	59	....	35.6
New Bloomfield	Maximum	64	54	45	52	48	39	33	35	41	46	62	72	76	82	77	72	59	63	75	85	70	64	59	64	76	77	80	88	78	60	....	63.2
	Minimum	46	35	32	30	27	26	28	31	33	30	23	33	36	45	52	49	46	51	51	46	49	52	33	30	33	40	49	50	55	42	....	39.4
New Castle‡	Maximum	75	57	38	43	46	44	34	36	46	36	46	68	69	76	80	74	79	77	68	76	62	71	55	63	67	68	79	87	83	66	....	62.3
	Minimum	39	32	25	32	22	27	28	32	35	26	27	37	41	48	51	44	54	58	44	57	37	43	26	37	47	34	42	51	49	40	....	38.8
Palmerton*	Maximum	65	51	46	49	45	31	39	36	40	44	58	70	74	82	81	64	57	62	76	83	70	66	65	63	70	74	75	88	76	60	....	62.0
	Minimum	44	33	29	29	29	27	27	33	34	29	23	36	37	49	51	47	43	55	55	48	52	43	36	32	35	42	51	53	54	44	....	40.0
Philadelphia*	Maximum	65	55	48	54	49	38	39	41	57	48	59	70	75	82	83	67	61	71	73	85	74	67	61	62	68	72	78	86	78	66	....	64.4
	Minimum	51	42	39	38	35	31	32	37	38	38	35	47	50	53	60	44	42	59	58	55	54	48	41	45	45	47	46	58	59	52	....	46.0
Phoenixville	Maximum	68	66	52	58	54	50	37	38	53	49	60	72	76	86	88	82	66	72	75	87	84	71	69	66	70	75	76	88	86	77	....	68.4
	Minimum	48	32	35	27	29	26	30	35	37	35	23	36	37	45	53	55	40	55	53	51	54	53	36	31	31	40	46	54	58	43	....	40.9

Continued on page 23.

Daily Temperatures for April, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Pittsburgh*	Maximum	56	38	41	47	46	43	36	46	48	43	65	67	74	78	73	75	79	69	74	71	73	67	57	68	71	80	86	83	60	61	....	62.2
	Minimum	37	30	27	31	27	29	32	32	28	27	33	48	51	54	59	55	54	52	48	50	47	37	33	41	54	45	62	60	48	42	....	42.1
Quakertown	Maximum	64	61	47	51	48	44	33	34	48	45	54	70	70	81	82	75	60	68	72	83	71	68	60	62	68	73	82	87	82	70	....	63.8
	Minimum	48	32	31	25	28	25	26	32	33	33	21	39	36	43	49	52	36	52	53	47	50	50	35	30	30	38	45	56	57	47	....	39.3
Reading*	Maximum	64	52	47	62	48	35	38	38	46	45	62	71	87	82	81	65	61	67	74	84	73	68	61	63	70	76	77	88	75	61	....	63.4
	Minimum	50	38	37	38	33	29	31	34	36	35	33	48	46	66	64	47	44	56	56	57	56	44	40	41	40	51	54	62	55	48	....	45.3
Retreat	Maximum	63	68	42	42	39	39	39	39	36	38	58	74	76	80	78	73	60	65	74	81	73	68	67	65	66	76	79	87	79	60	....	62.1
	Minimum	34	29	31	26	23	22	24	31	33	26	20	32	37	47	47	43	45	51	51	44	46	49	62	31	38	37	37	43	55	44	....	37.6
Ridgway‡	Maximum	72	66	40	38	40	40	32	35	35	35	40	58	66	72	77	77	68	63	65	72	68	73	55	59	65	71	78	87	82	58	....	59.2
	Minimum	40	29	26	26	15	19	25	27	30	11	16	21	32	37	44	45	47	50	48	60	39	39	20	28	39	33	35	43	49	34	....	33.2
Salisbury(near)	Maximum	61	42	35	43	45	44	36	32	39	33	69	70	62	68	73	65	62	62	68	74	61	54	54	60	69	81	75	78	65	59	....	57.6
	Minimum	40	28	22	27	27	29	25	25	25	20	26	48	39	46	47	48	45	48	45	50	46	39	27	37	44	63	46	56	47	42	...	38.2
Scranton*	Maximum	63	45	41	45	36	29	41	37	43	38	59	69	74	79	79	62	56	63	74	81	72	61	59	66	69	75	84	87	70	57	....	60.5
	Minimum	39	34	30	30	27	22	27	32	32	30	23	39	42	54	53	48	46	65	52	50	50	40	35	35	43	42	47	57	53	48	....	40.5
Selinsgrove	Maximum	54	53	60	46	46	47	33	35	35	46	67	62	70	79	77	73	61	63	74	79	74	69	56	55	72	79	79	87	87	56	....	61.8
	Minimum	44	35	32	26	27	25	17	31	32	30	24	36	37	50	50	50	46	51	50	49	65	51	34	31	40	40	49	65	54	46	....	39.9
Somerset	Maximum	67	52	35	48	68	40	36	34	44	36	64	68	70	71	71	67	68	76	84	70	60	76	64	61	70	80	82	77	74	58	....	62.0
	Minimum	38	32	23	26	23	22	25	27	29	21	27	27	29	33	40	40	46	57	46	43	43	45	21	26	39	30	36	42	48	32	....	33.9
State College	Maximum	61	49	41	46	44	37	33	34	36	40	62	68	73	78	77	62	51	65	73	78	70	60	56	63	75	75	87	85	73	57	....	60.3
	Minimum	41	34	26	31	23	27	25	29	31	26	24	35	39	50	56	46	47	49	50	54	43	49	28	33	43	47	51	58	48	41	....	39.5
Stroudsburg‡	Maximum	65	64	49	50	43	40	38	42	39	43	59	70	74	83	83	75	61	73	85	86	73	75	65	69	69	74	76	90	77	69	....	65.0
	Minimum	44	35	33	27	28	24	28	26	33	35	20	32	36	49	61	52	41	52	59	56	54	51	31	30	39	40	43	52	59	50	....	40.3
Towanda	Maximum	64	42	41	46	38	27	42	36	39	40	68	68	74	80	80	64	58	67	75	80	71	61	56	67	70	74	87	88	72	57	....	60.7
	Minimum	39	30	27	28	24	18	25	30	30	28	19	32	37	44	48	47	47	54	49	51	42	42	38	29	44	37	43	53	53	44	....	37.7
Uniontown	Maximum	70	56	44	54	53	58	48	46	50	43	66	72	77	82	79	79	79	70	76	80	76	70	62	70	77	82	89	83	77	67	....	67.8
	Minimum	43	36	30	31	32	33	37	35	33	21	27	39	40	45	50	49	56	58	48	57	49	51	27	46	48	40	40	55	55	41	....	41.7
Vandergrift*	Maximum	63	44	48	52	52	41	39	47	48	48	70	72	79	83	81	80	85	72	82	77	75	65	62	71	75	82	92	87	65	64	....	66.7
	Minimum	38	33	28	31	24	31	32	34	32	30	27	37	41	40	50	49	55	50	49	48	47	36	28	31	48	39	49	54	47	40	....	39.3
Warren	Maximum	60	46	34	36	35	30	35	38	36	36	46	60	65	71	74	72	70	65	68	60	65	70	50	68	60	64	78	82	72	56	....	56.4
	Minimum	46	28	25	28	25	25	26	34	27	20	28	30	39	40	44	43	50	45	45	50	37	40	26	35	40	37	42	50	40	40	....	36.2
Waynesburg	Maximum	70	66	43	51	51	57	48	54	63	45	66	70	76	80	76	83	79	70	76	77	75	69	61	70	75	82	87	83	78	65	....	67.6
	Minimum	42	34	29	30	30	32	37	35	32	26	28	40	40	45	45	48	58	53	47	53	47	48	28	35	48	39	43	54	52	38	....	40.5
Wellsboro	Maximum	58	48	38	44	35	29	38	35	38	37	65	64	72	77	79	66	58	63	74	75	72	65	54	63	69	75	88	86	75	53	....	69.4
	Minimum	48	32	27	29	24	20	24	32	29	25	16	30	35	43	50	44	44	49	48	50	37	43	31	29	42	34	42	50	49	40	....	36.6
West Chester	Maximum	65	51	48	64	50	37	35	37	52	49	60	73	76	83	84	73	63	69	74	85	75	67	61	66	70	74	78	87	78	68	....	64.7
	Minimum	50	37	35	31	30	27	29	34	36	34	28	41	46	48	57	53	43	53	53	51	54	51	37	40	39	43	46	54	58	45	....	42.7
Williamsport	Maximum	62	67	42	46	45	40	39	38	37	44	61	68	74	78	81	77	62	65	76	81	74	67	58	66	74	77	84	86	82	58	....	63.3
	Minimum	44	33	32	31	26	25	27	32	32	30	23	34	38	49	60	50	48	52	52	47	44	61	32	32	43	39	47	54	58	45	....	40.0
Williamstown	Maximum	62	59	48	46	47	44	30	31	37	45	58	68	74	78	80	78	67	64	71	81	78	67	62	64	67	75	77	86	85	64	....	63.1
	Minimum	42	35	28	30	34	23	22	25	28	27	27	41	48	54	66	47	42	46	49	69	49	48	42	32	42	40	60	61	58	44	....	41.0
York	Maximum	66	62	49	65	53	49	37	38	46	48	64	73	79	85	81	76	62	66	77	87	84	68	61	65	76	79	82	90	86	71	....	67.2
	Minimum	48	35	33	29	28	28	30	34	37	33	25	39	38	43	51	55	47	65	61	47	52	54	31	31	32	41	60	53	56	44	....	41.0

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	30.02	30.40	26	29.41	9	14.2	38	se.	17	76	62	65	57
Harrisburg	30.04	30.45	7	29.14	9	7.9	24	nw.	3	66	60	51	52
Philadelphia	30.06	30.44	7	29.13	9	13.3	39	sw.	9	69	49	52	68
Pittsburgh	30.03	30.38	26	29.25	9	11.9	34	nw.	18	74	51	57	65
Reading	30.05	30.46	7	29.13	9	12.0	41	n.	10	66	48	52	44
Scranton	30.04	30.44	7	29.05	9	7.3	26	nw.	10	70	47	52	62

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	4.1	5.6	11	3.2	7	18
Easton	Delaware	4.7	7.5	11	3.2	8	22
Lehighton	Lehigh	4.0	5.1	12	3.5	5	9
Wilkes-Barre	Susquehanna	7.2	11.8	14	5.2	30	20
Williamsport	Susquehanna	5.5	11.3	14	3.4	30	20
Harrisburg	Susquehanna	5.8	8.5	15	4.8	30	18
Greensboro	Monongahela	13.1	20.6	10	11.3	28	30
West Newton	Youghiogheny	2.3	4.8	10	1.2	29	20
Lock No. 4	Monongahela	14.4	20.5	10	12.1	29	30
Pittsburgh	Ohio	....	19.2	10	15.8	12	25
Midland	Ohio	.....	27.0*	10	11.8*	4	30

* Pool stage.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA. PA.

VOL. XLIII. MAY, 1938. No. 5.

GENERAL SUMMARY.

Temperatures and precipitation averaged near the normal for May, yet it was an unusually strenuous month for the season. Freezing temperatures covered about four-fifths of the State on the 12th and 13th, and were severe in some regions. Temperatures of 25 degrees, or lower, occurred at several stations in the northern and western portions of the State. Orchard fruits apparently sustained the greater damage of all crops, but a large amount of tender garden vegetables was nipped. Corn that was up was mostly in regions where there was little or no frost, and little damage was reported. Severe local storms occurred on the 23d, and considerable damage was done by wind and hail. In Mifflin and Snyder Counties more than forty houses were unroofed, and thousands of orchard fruit trees were destroyed. The damage was conservatively estimated at $200,000. In the southwestern part of the State there was damaging hail in several localities. The total damage for these scattered areas was almost impossible to estimate, but apparently it was not less than $75,000. At the beginning of the month the top soil was generally too dry and cold for best results, and most vegetation was somewhat backward. Fruits and tender vegetables had been nipped to some extent by April frosts, and the general condition was below par. Heavy showers were fairly general on the 14th and 15th, and thereafter the rains were more frequent. The top soil was put in good condition, and crops generally started a better growth, although the nights remained rather cool. Light frosts covered a large portion of the State on the 25th, and froze the strawberries in many regions. Garden vegetables were nipped to some extent at that time, but field crops did not seem to suffer. At the close of the month the first plantings of corn were being cultivated, and were looking good, but were growing rather slowly. Winter wheat was mostly headed, and was generally promising. Rye was beginning to bloom, and barley was looking fine. Early field potatoes were up and being cultivated. They had a thrifty appearance, and were free from insect pests. Truck crops were in fair condition, and were improving. With the exception of fruits and berries, which had been damaged beyond repair, the general outlook was on an upward trend. Farm work, in general, was about ten days ahead of the corresponding time of last year.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 89 stations, was 58.8°, which is 0.7° below the 51-year normal for May. The highest monthly mean was 64.2°, at Marcus Hook and Phila-Pt. Breeze, and the lowest was 50.7° at Gouldsboro. Extremes of temperature ranged from a maximum of 93° at Sharon on the 5th, to a minimum of 20° at Coudersport on the 11th. The greatest daily range in temperature was 49° at Claysville on the 2d.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 170 stations, was 3.85 inches, which is 0.02 inch less than the 51-year normal for May. The greatest monthly amount was 6.56 inches at Rochester, and the least was 1.53 inches at Gratersford. The greatest amount for any 24 consecutive hours was 3.95 inches at Center Hall on the 23d.

Traces of snow were recorded at Kane on the 11th, and at Meadville on the 12th; all other stations reported none during the month.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	57.3	91	24	4.24	T.	16	4	11	16
1889	60.4	96	25	5.91	0	11	11	9	11
1890	58.5	89	23	6.71	0	15	7	11	13
1891	57.3	93	20	2.12	0.2	8	10	10	11
1892	58.5	91	28	5.70	0	16	7	10	14
1893	57.9	93	26	5.54	0	12	11	8	12
1894	60.8	92	27	8.88	0	16	9	8	14
1895	60.6	102	22	2.68	0	9	13	10	8
1896	65.4	98	31	2.85	0	10	10	12	9
1897	57.7	88	25	5.24	T.	12	11	10	10
1898	60.0	94	22	5.11	0	15	8	9	14
1899	61.1	100	24	3.82	0	11	10	11	10
1900	60.4	96	20	2.79	T.	9	13	9	9
1901	58.9	91	28	5.56	0	15	8	9	14
1902	59.8	95	25	1.96	0	8	13	11	7
1903	61.8	94	18	1.67	0	7	16	9	6
1904	61.6	94	21	3.78	0	11	12	10	9
1905	60.8	93	22	2.59	0	12	11	9	11
1906	60.0	99	23	3.23	0	10	12	10	9
1907	54.8	91	19	3.08	0.1	11	11	9	11
1908	61.2	96	22	6.28	0.3	15	10	10	11
1909	59.2	92	23	2.90	0.1	10	12	10	9
1910	56.8	88	24	3.38	0	12	11	10	10
1911	65.2	99	20	1.97	0	7	17	10	4
1912	61.2	91	28	3.15	0	11	14	8	9
1913	58.5	93	21	3.86	0	10	13	8	10
1914	61.5	96	19	3.34	0	9	16	9	6
1915	56.2	84	21	4.16	0	14	10	8	13
1916	61.0	93	26	3.19	T.	13	12	11	8
1917	53.3	90	20	3.39	T.	13	9	10	12
1918	65.1	95	21	5.04	0	14	13	12	6
1919	59.5	98	27	5.80	0	14	13	7	11
1920	56.6	92	18	2.02	0	8	17	8	6
1921	59.8	93	22	3.93	0	11	14	8	9
1922	62.5	96	20	3.21	0	10	15	8	8
1923	58.3	93	20	3.50	0.6	8	19	6	6
1924	54.6	92	18	5.71	0	17	9	9	13
1925	55.2	98	22	3.49	0.2	11	13	10	8
1926	58.8	95	18	1.78	0	8	17	10	4
1927	58.2	92	23	4.14	0	16	9	9	13
1928	58.0	95	20	2.23	0	10	15	9	7
1929	58.5	97	23	4.81	T.	14	13	9	9
1930	61.2	99	25	3.03	0	10	15	8	8
1931	59.8	98	19	5.28	T.	15	13	9	9
1932	59.8	98	21	3.69	0	10	15	8	8
1933	62.2	94	24	5.86	0	18	8	10	13
1934	62.2	98	22	2.51	0	8	18	8	5
1935	56.0	92	21	3.00	0	10	13	8	10
1936	62.8	96	24	2.09	0	7	19	8	4
1937	60.7	96	24	3.39	0	11	14	10	7
1938	58.8	93	20	3.85	0	13	11	9	11
Period	59.5	102	18	3.87	T.	12	12	9	10

Climatological Data for May, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	59.6	−0.7	83	2	35	13	36	2.98	−0.42	1.25	0	12	15	14	2	ne.	John A. Frick.
Altoona	Blair	1,615	51	57.5	−1.3	85	4†	28	12	37	4.29	+0.27	0.86	0	13	18	6	7	w.	John J. Martin.
Ardmore	Moutgomery	350	18	58.4	−2.5	80	6	36	13	33	3.74	−0.20	1.24	0	12	5	13	13	......	H. L. Balderston.
Arendtsville	Adams	700	16	60.2	+0.1	85	3	32	13	40	5.76	+1.92	2.04	0	12	15	4	12	sw.	Harold J. Miller.
Bedford	Bedford	1,060	6	59.8	......	87	3†	27	11	48	3.54	......	0.80	0	12	17	4	10	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	61.3	−1.1	82	2†	40	13	30	2.89	−0.23	1.34	0	12	14	3	14	e.	Lehigh University.
Carlisle	Cumberland	467	72	61.9	+0.3	86	3	32	12†	38	3.56	+0.18	1.02	0	16	16	5	10	se.	Prof. C. E. Miller.
Center Hall	Center	1,272	42	57.8	−0.6	84	5	30	12	41	5.75	+1.37	3.95	0	13	17	2	12	......	Edward E. Bailey.
Chambersburg	Frankliu	580	39	61.3	+0.1	86	3†	30	25	41	4.45	+1.06	1.37	0	18	8	14	9	nw.	William B. Spear.
Clearfield	Clearfield	1,120	31	58.2[d]	−0.7	89[d]	5	27[d]	13	46[d]	5.07	+0.70	1.41	0	13	6	18	7	nw.	E. W. Hess.
Coatesville	Chester	380	51	59.6	−1.7	82	2†	36	13	34	2.97	−0.62	0.65	0	13	7	8	16	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	57.2	−2.0	80	2	29	13	39	4.22	+0.63	1.10	0	17	17	4	10	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	57.0	−0.8	88	5	26	12	47	3.47	−0.72	0.62	0	16	11	13	7	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	62.2	+0.7	88	28	34	13	42	3.67	+0.63	0.76	0	14	13	5	13	n.	Ira J. Keath
Freeland	Luzerne	1,970	45	53.8	−2.7	74	2†	30	12	29	4.78	+0.94	1.84	0	15	3	2	26	w.	Andrew B Evansha
George School	Bucks	190	32	61.2	+0.2	87	6	35	13	33	3.42	+0.06	1.02	0	12	14	4	13	nw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	62.5	+0.9	84	2†	35	12	37	5.25	+1.56	2.00	0	14	14	8	9	e.	Dr Henry Stewart
Gordou	Schuylkill	840	34	57.6	−0.4	83	3	26	13	43	5.64	+1.72	3.10	0	15	14	5	12	e.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	50.7	−1.8	72	5	25	13	33	3.49	−0.32	1.55	0	7	15	3	13	w.	Ronald H. Marshall,
Hamburg	Berks	535	45	61.0	−0.1	87	17	33	13	33	3.44	−0.70	0.89	0	13	14	8	9	sw.	State Sanatorium.
Hanover	York	600	34	62.4	−0.7	84	3	38	12	35	4.26	+0.89	1.34	0	13	15	6	10	e.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	61.0	−0.8	81	2	40	12	28	3.45	+0.01	1.41	0	18	6	12	13	w.	U. S. Weather Bureau.
Hawley	Wayne	900	20	54.8	−2.2	83	5	26	14	40	3.74	+0.22	1.60	0	12	15	4	12	w	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	62.2	−0.6	81	2†	43	13	28	3.33	+0.56	0.76	0	18	10	9	12	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	51	59.4	−0.9	87	3†	28	12†	45	3.68	−0.07	1.14	0	13	15	8	8	nw.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,694	7	55.6	......	85	5	27	13	37	3.81	......	0.61	0	13	3	16	12	w.	U. S. Weather Bureau.
Lancaster	Laucaster	255	51	60.8	−0.1	84	2†	32	13	46	3.46	+0.51	0.75	0	15	15	7	9	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	41	56.7	−0.6	85	5	25	12	40	3.93	+0.13	0.70	0	14	11	11	9	......	C. P. Darling.
Lebauon	Lebauon	469	54	59 8	−1.2	82	2	33	13	36	3.27	+0.01	1.17	0	15	11	9	11	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	60 6	−1.2	88	5	30	12	40	4.24	+0.19	1.03	0	20	10	17	4	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	12	64.2	−1.2	87	1†	42	11†	35	3.06	−0.15	1.13	0	10	11	8	12	w.	Sun Oil Co.
Montrose	Susquehanna	1.620	33	54.4	−0.4	79	5	27	12	33	2.92	−0.91	1.16	0	15	7	7	17	nw.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	53.2	−0.6	77	5	28	13	34	4.38	+0.30	2.00	0	8	7	8	16	s.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	26	55.4	−1.6	80	5	27	12†	36	4.36	+0.31	1.05	0	13	18	6	7	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	......	......	86[i]	6	34	13	43[i]	3.18	−0.78	0.81	0	13	16	3	12	ne.	Philadelphia Sub. Water Co
New Bloomfield	Perry	679	....	59.4	......	84	2†	27	12	44	3.62	......	1.57	0	17	14	9	8	w.	J. Earl Sneaffer
Palmerton	Carbon	398	20	58.6	−0.8	82	2	31	13	38	2.92	−0.50	0.80	0	13	14	9	8	w.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	61.5	−1.4	82	6	42	12	28	2.86	−0.40	1.01	0	10	5	13	13	e.	U. S. Weather Bureau.
Phœnixville	Chester	100	28	61.1	−0.8	84	6	32	13	40	2.60	−1.16	0.94	0	12	12	11	8	w.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	53	58.0	−1.5	81	6	30	13	37	3.95	+0.59	1.56	0	11	12	9	10	nw	John E. Benner.
Reading	Berks	273	68	61.4	−1.1	82	5	41	13	25	2.24	−1.43	0.73	0	13	6	13	12	nw.	U. S. Weather Bureau.
Retreat	Luzerne	900	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Theodore J. Sampson.
Scranton	Lackawanna	746	44	58.1	−1.3	84	5	34	14	31	3.23	−0.04	1.11	0	14	3	14	14	nw.	U. S. Weather Bureau.
Seliusgrove	Snyder	455	48	58.4	−2.2	82	2	30	13	35	3.17	−0.53	1.35	0	17	6	12	13	w.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	42	61.6	−1.4	81	8	37	13	31	3.46	+0.18	1.05	0	14	10	7	14	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	61.1	......	84	3†	32	12	36	4.65	......	1.20	0	16	12	7	12	sw.	State Teachers College
State College	Center	1,217	54	58.0	−0.7	86	3	30	12	38	3.38	−0.51	0.97	0	13	12	12	7	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	58.0	−0.6	81	5	29	13	44	2.64	−0.69	1.57	0	7	19	2	10	w.	State Teachers College
Towanda	Bradford	754	44	56 2	−1.2	85	5	27	12†	38	2.19	−1.17	0.62	0	13	8	11	12	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	55.1	−1.3	84	5	26	12	44	2.27	−1.13	0.67	0	11	19	4	8	n.	George W. Hill.
West Chester	Chester	455	89	60.0	−0.8	81[a]	2†	35	13	35[a]	2.84	−1.04	0.65	0	14	14	9	8	nw.	Harlan Saylor.
Williamsport	Lycoming	521	52	59.4	−1.1	84	5	32	12†	35	2.90	−0.93	1.11	0	13	10	8	13	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	60.0	−0.1	83	3†	31	12	40	4.87	+1.06	2.48	0	16	15	4	12	sw.	Susquehanna Collieries Co.
York	York	400	50	61.2	−0.2	85	2†	33	12	44	4 38	+1.36	1.32	0	14	15	10	6	e.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	54.9	−0.6	83	3†	25	12†	46	4.12	+0.70	1.09	0	16	6	8	17	......	Frank S. Fawcett.
Butler	Butler	1,077	25	59.8	+0.5	92	30	26	12	45	5.46	+1.93	1.81	0	10	15	8	8	w.	William C. Faust.
Chambersville	Indiana	1,047	37	57.8	−1.8	87	5	24	12	46	4.29	+0.18	0.96	0	12	14	5	12	nw.	John E. Lewis.
Clairton	Allegheny	1,020	6	58.0	......	85	4†	30	1†	37	3.82	......	1.02	0	11	8	6	17	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	60.3	−0.6	90	5	23	12	49	4.86	+1.27	1.03	0	13	14	5	12	n.	J. L. Melvin.
Corry	Erie	1,430	25	56.4	+1.4	87	5	25	12†	46	2.51	−2 00	0.52	0	10	20	5	6	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	54.5	......	85	4	20	11	45	2.88	−0.89	0.59	0	11	13	9	9	w.	Philip R. Shaw
Derry	Westmoreland	1,172	41	60.2	−0.4	87	5	30	12†	47	4.91	+1.27	1.45	0	12	9	16	6	w.	Ted R. Wineman.
Donora	Washington	762	12	62.0	−0.6	90	4	32	12	42	4.06	+0.61	0.90	0	14	0	17	14	w.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	55.4	−1.0	84	5	28	12	36	3.65	−0.69	0.66	0	15	17	11	3	w.	D. H. Jones.
Franklin	Venango	957	64	55.8	−1.8	85	3†	29	12	46	2.36	−1.52	0.75	0	10	6	3	22	n.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	59.8	−0.5	88	28	29	12	39	4.59	+0.81	0.97	0	12	14	11	6	sw.	Westmoreland Water Co
Greenville	Mercer	950	42	60.1	+2.3	90	28†	29	12†	45	3 55	−0.16	0.67	0	9	14	9	8	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	59.0	+0.9	89	28	32	12	43	4.21	+0.08	0.97	0	13	9	10	12	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	60.0	−0.1	87	4†	27	12	44	4 69	+1.46	0.84	0	13	23	6	2	......	W. F. Gallagher.
Johustown	Cambria	1,184	56	60.6	−0.5	90	5	31	12	45	5.63	+1.54	1.16	0	16	13	12	6	sw.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	6	55.2	......	84[d]	5†	24	12	45	3.07	......	0.63	T.	12	15	5	11	w	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	46	60.2[b]	−0.4	87[d]	27†	29	12	32[d]	4.86	+0.88	0.80	0	11	9	6	16	w.	Westmoreland Water Co.
Meadville	Crawford	1.080	44	55.9	−0.9	84	3†	26	12	41	2.30	−1.81	0.76	T.	10	11	10	10	s.	Paul F. Coy
Midland	Beaver	691	1	60.4	......	86	5	31	12	36	5.95	......	1.10	0	15	8	11	12	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	59.8	+0.3	86	3†	28	12	46	4.86	+1.29	0.76	0	11	17	9	5	n.	New Castle Water Co.
Newell	Fayette	800	18	58.8	−2.2	86	4	27	12†	38	4.77	+1.66	0.85	0	12	15	7	9	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	60.4	−2.0	86	4	33	12	34	4.10	+0 89	1.19	0	13	8	8	15	sw.	U. S. Weather Bureau,
Ridgway	Elk	1,350	31	55.3	−0.3	86	6	22	12	40	3.73	+0.17	1.05	0	13	9	11	11	sw.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	55.0	−0.3	82	4	25	12	34	4 61	+0.66	1.10	0	16	5	17	9	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	25	61 0	+1.8	93	5	30	12†	42	3.72	+0.53	0.85	0	10	15	6	10	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	71	54.0	−2.7	81	4†	23	12	46	4.41	+0.03	0.78	0	13	5	8	18	w.	D. L. Grove.
Uniontown	Fayette	1,100	50	61.8	−0.1	90	4	29	12	47	4.49	+0.86	0.92	0	13	11	14	6	sw.	Wm. W. Marsteller.
Vandergrift	Westmoreland	825	24	61.0	+0.1	92	3†	30	12	44	4.24	+0.98	1.29	0	10	18	2	11	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	55.6	−0.7	82	6	28	13†	35	3.56	−0.46	1.26	0	15	13	10	8	sw.	Mrs. Anna Simpson.
Waynesburg	Greene	1,035	7	60.6	......	89	4	28	12	47	4.88	......	1.20	0	10	4	20	7	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	57.2	+0.4	86	5	37	13	28	3.10	−0.30	1.14	0	13	9	12	10	w.	U. S. Weather Bureau.
For the State	......	......	51	58.8	−0.7	93	5	20	11	49	3.85	−0.02	3.95	0	13	11	9	11	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell: of Shawmont, Manayunk: of Kane (near), Wilcox.

W. B. O. Philadelphia-6-30-38-1050.

Daily Precipitation for May, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																		
Allentown ‖	Lehigh	.13					T.				.29	.14				1.25	.02				.12	.08	.17		.16	.18		.48	.01				2.98
Altoona	Juniata				.59					.33	.18	T			.86	.14	T.		.52	.46	.13	.03	.15	.04	.83		.03					4.29
Ansonia‖‖	W. Br. Susq				.29		.35			.41	.12	.02				.74	.09	.11			.16	.08	.18		.40	.17				.01			3.18
Ardmore‡	Lower Del								T.	.07	.25	T.	.23		1.24	.07	T.		T.	.02	.12		.22	.01	.44		.71	.36					3.74
Arendtsville.‖‖	Lower Susq			.14						.08	.15				.82	.12			.20	.49	.90	.55		.07	2.04			.20					5.76
Baker's Summit	Juniata				.01		1.05			.17	.18				.68	.24			.52	.59	.10	.23	.28	.23	1.04		.05	.01					5.88
Bald Eagle ‡	Middle Susq				.10					.38	.06				.72	.07			.25	.46	.17			.4	.04									2.78
Bedford	Juniata						.16			.12					.80	.23	T.		.57	.52	.30	.17	.35	.13	.10		.09	T.					3.54
Bellefonte	W. Br. Susq			.50	.01	.15			.26	.16					.52	.05		.05	.03	.42	.04	.21		.76	.02		.08		.14				3.40
Berwindale‡	W. Br. Susq				.15					.58	.41				.63	.05			.30	.53	.40	.20		.65	.22									4.12
Bethlehem	Lehigh				T.					.03	.34				.10	1.24			T.	.04	10	.02	.18	T.	.28	.01	.12	.43					2 89
Big Knob‖‖	Middle Susq	.06				.79				.17	.04	.03				.40	.17		.07	.17	.30	.08	.19		2.48	.10		.18					5.28
Bloserville‡‡	Lower Susq			.10	.35					T.	T	T.			.85	.12	16		.12	.14	.22			.75	1.02		.10	.12					4 05
Buffalo Mills‖‖	Potomac						.14			.06					.15	.94	.15		.25	.27	.90	.20	.67		.27			.07					4.07
Carlisle	Lower Susq			T.	.54		.06			.17	.05				.28	.40	.03		.16	.09	.12	.02	.33	.09	1.02		.09	.11					3.56
Carter Camp‡	W. Br. Susq					.10	.02			.63	.22				.40	.39	.15				.47	.27	.10	.44	.16				.55				3.90
Center Hall	Susquehanna				.24		.12			.10	.08				.06	.29	.18		.12	.24	.13			3.95		.06	.18						5.75
Chambersburg	Potomac						T.			.21	.10				.50	.30			.28	.29	.60	.07	.32	.09	1.37		.14	.18					4.45
Clearfield	W. Br. Susq				.31		T.			.31	.36				.46	.18	.15		.11	.45	.22		.65	.31	1.41				.15				5.07
Coatesville	Lower Del			T	.04					.01	.04		.07		.62	.48			.05		.29		.41	.01	.20		.65	.10					2.97
Colebrook	Lower Susq			.11	.18					.12	.19	T.			.60	.33	.06		.12	.06	.24	.03	.61	.21	1.10		.06	.17	T	.03			4.22
Conshohocken	Schuylkill									.04	.13	T.	.29		.21	.86	.01		T.	T.	.01		.25		.16	T	.41	.48		.01			2.86
Doylestown	Lower Del				.02					.06	.34		.16		.17	1.14			T.	T.	.06		.47	T.	.28	T.	.50	.24					3.44
Driftwood‡	W, Br. Susq			.18	.21					.62	.15				.38	.28				.10	.31	.14	.05	.74	.13				.19				3.48
Du Bois	W. B. Susq				.34					.65	.32				.34	.19	.01		.14	33	.35	.25	1.02	.01	.72	.01				.35			5.03
Emporium	W. Br. Susq				.04		.07			.39	.22	.01			.18	.25	.10		.02	.12	.62		.45	.25	.40				.29	.06			3.47
English Center‡	W. Br. Susq					.18				.56	.06				.36	40				*	*	*	.39	1.10	.10		.12						3.27
Ephrata	Lower Susq				.34		T.			.13	.08				.36	.76	.02		.05	.01	.32	.02	.41	T.	.62		.32	.23					3.67
Forest City‖‖	N. Br. Susq		.03					.30		.06	.28					1.05	.48			.10	.08		.58	.03	.91			.24					4.14
Fredericksville	Schuylkill									.03	.26				.25	1.03	T.		T.	T.	.07	.05	.20	T.	.49		.42	.31		T.			3.11
Freeland‖‖	Lehigh	.01			.16					.14	.14	.15				1.20	.40			T.	.08	.25	.02		1.84	.22		.12	.03	.02			4.78
Galeton	N. Br. Susq			.08			.01		T.	.39	.12	.06			.26	.46	.16			T	.33		.30	.24	.43				.10				2.94
George School	Lower Del				.03					.12	.23		.23		.18	1.02			T	T.	.02		.37	T.	.04	.29	.25	.64					3.42
Gettysburg	Potomac				.18				T.	.06	.05				.38	.41	.01		.19	.19	.78		.48	.19	2.00		.20	.13					5.25
Girardville‖‖	Lower Susq					.04				20	.10				.83	.27		T.		.04	.16		.04	2.08	.16		.09	T.	.68				4.69
Gordon	Lower Susq						.08			.10	.20				.04	.90	.02		.02	.08		.55	.02	.03	3.10		.02	.08	.40				5.64
Gouldsboro‖	Lehigh				T.		T.				.15	.11				.60	.83				T				1 55	.08		.17					3.49
Graterford	Schuylkill												.11		.21	.42					.03				.11		.34	.31					1.53
Hamburg	Schuylkill						.12			.09	.28				.36	.70			.01		.10		.20	.11	.87		.33	.20		.07			3.44
Hanover	Lower Susq				.04	T.			T.	.07	.06		T.		.30	.58	T.		.13	.13	.48		.72	.06	1.34		.22	.13					4.26
Harrisburg***	Lower Susq			.16	.14	.01	T.		T.	.13	.03	T.			.56	.01	.01		.09	.04	.25	.16	.18	.69	.81		.05	.10	.03				3.45
Hawley‖‖	Upper Del				.05				T	.02	.13	.04				1.60	.14				.06	T.	.33		.98	.22		.12		.05			3.74
Hollisterville‖‖	Upper Del				T.		.02		T.		.02	.03				1.54					.04		.31		1.04	.09		.14	.02	T.			3.25
Holtwood‖	Lower Susq	.09			.03	.02				.04	.02	.04	.03			.64	.02	.01		.13	.02	.16	.76		.06	.55		.68	.03				3.33
Huntingdon	Juniata				.19		.16			.16	.04				.59	.05			.41	.39	.30		.08	.03	1.14		.14						3.68
Huntsdale‡	Lower Susq			.36	.16					.11	.03				.54	.05	.03		.14	.24	.33	.24		.65	.72		.12	.03					3.75
Hyndman‖‖	Potomac	T.					.09			.20	.05	.29			.11	.97	.07		.23	.28	.32	.18	.21		.15	.02		.14			T.		3.81
Kylertown	W. B. Susq			T.	.43	T.	T.		T.	.26	.19	T.	T		.37	.39	.14		.08	.27	.49		.61	.04	.51		T	T.	T.	.03			3.81
Lakeville‖‖	Upper Del								T.	.10	T.	.18				1.57	.18				.09	.02	.30		.96	.18	T.	.14		.56			4.28
Lancaster	Lower Susq				.23					.02	.01				.28	.74	.03	.03	.14	.04	.18	.09	.43		.75		.33	.16					3.46
Lansford‖‖	Lehigh	.03			T.					T.	.11	.07				*	1.30				.07	.02			1.58	.23		.24		.38			4.03
Lawrenceville	N. Br. Susq			.50			.15		.10	.40	.08				.20	.70				.10	.15		.25	.05	.40				.30	.55			3.93
Lebanon	Lower Susq			.23	.04				.02	.09	T.				.80	.05	T.	T	.02	.03	.09	.29		1.17	.12		.22		.09	.01			3.27
Lehighton‖‖	Lehigh	.09			.15					.07	.15					1.05	.25			T.	.05	T.			1.30	.87		.22		.36			4.56
Lock Haven	W. Br. Susq			.05		.04	1.03			.18	.23				.13	.43	.01	.01	.05	.10	.23	.43	.15	.03	.86		.05	.04	.15	.04			4.24
Marcus Hook	Lower Del				.02				T.	.07	.12		.20		*	1.13	T.		T.	T.	T.		.27		.20		*	1.05					3.06
Matamoras‖‖	Upper Del									T.	10					1.75	.12					.11	.27		.72	.10		.12					3.29
Mauch Chunk	Lehigh			.11						T.	T.				T	1.32	T.			T.	T.		T	T.	1.77		T	.15	.12	T.			3.47
Mifflintown	Juniata																																......
Millersburg‡	Lower Susq			.13	.10					.08	.04				.34	.03	.04	.01	.12	10		.03	.03	1.21	.39		.12	.06					2.83
Millville‡	N. Br. Susq					.10				.09	.18				.40	.46							.10	.47	.16		.15	.01					2.12
Montrose	N. Br. Susq			.12			.16		.04	.14	.04	.04			.04	1.16	.02				.17		.29	.02	.59		.03	.06					2.92
Morris Run	N. Br. Susq			.25		.05	.08			.46	.16				.12	.78				.10	.06	.26	.21	.11	.89									3.53
Mount Pocono	Upper Del			.16						.12	T.				.60	1.00					.30				.20		*	2.00					4.38
Mt. Union‡	Middle Susq				.17	.21										.53	.37			.25	.38	.08	.12		1.05	.26		.12	.03					§
Muncy Valley	W. Br. Susq			.21			.46			.21	.28				.21	.69				.09	.16		.14	.11	1.05		.08		.67				4.36
Neshaminy Falls‖‖	Lower Del																																......
New Bloomfield	Juniata			.21	.12					.21	.05				.54	.06			.10	.07	.12	.08	.13	.05	1.52		.11	.11	.11	.03			3.62
New Park	Lower Susq			.28							.11	.02			.60	.41	06		.05	.05	.20		.76	.09	T.	.34	1.10	.06					4.13
Newport‖‖	Juniata	.08			.23	.20				.08	.04					.50	.04			.10	.12	.10	.10		1.40	.15		.25		.18			3.57
Orwigsburg	Schuylkill					.03				T.	.13				.10	.82			.01	.03	.44	.08			1.21		.11	.14	.08				3.08
Palmerton‡	Lehigh			.03						.05	.06				.80	.45				.04	.03		.15	.05	.80		.22	.09	.15				2.92
Paupack‖‖	Upper Del									.11	.07					1.60	.14				.09		.22		.87	.20							3.30
Philadelphia***	Lower Del								T.	.07	.12	T.	.26		.88	.15	T		T	T.	.02	T.	.25	T	.29		.52	.30		T			2.86
Phila. Navy Yard‡	Lower Del								T	.10	.28		.22		.78	.27	.02		T	T	T		.26		.16		64	.27		T			3.00
Phila-P'nt Breeze.‡	Lower Del								T.	.15	.17	T	.30		.72	.22			T	T	.01		.18	T.	26		*	.76		T			2.77
Phoenixville	Schuylkill	.18								.08	.02		.07		.14	.94	T		T.	T.		.03	.24	T	.05	.13	.29	.43					2.60
Pine Grove	Lower Susq			.05	.03	.05	.15			.25	.15				.70	.15			.05	.08	.04	.07	.03	.28	2.08		.14	.06	.62				4.98
Pleasant Mt.	Upper Del			.03		.07									.33	1.57					.15	.42			1.14		.15						3.86
Pottstown	Schuylkill																																......
Pottsville	Schuylkill						T.			.13	.15				T.	.94	T.		.03	.03	.04	.34	.03	.02	1.68		.04	.12		.25			3.80
Quakertown	Lower Del				.03					.05	.44				.11	1.56				.05	.03		.34		.30		.65	.39					3.95
Reading***	Schuylkill				T.		T.			.07	.04	T			.66	.07	.02		.03	.01	.08	.02	.18	T.	.59		.26	.21	T.				2.24
Renovo‖‖	W. Br. Susq				.09	.32	.15			.40	.25	.06					.76	.06		.04		.42	.36	.13		.78	.12				.22			4.16
Retreat	N. Br. Susq																																......
Scranton***	N. Br. Susq			.06		T.	.06		T.	.15	.12	T.	T.	T.	.57	.55	T			.04	.01	T	.31	.52	.67		.10	.01	.06				3.23
Selinsgrove	Lower Susq				.02	.13	.11			.11	.17				.42	.20	02		.04	.08	.07	.04			1.35		.18	.05	.12	.06			3.17
Sellersville‡	Lower Del									.04	.20		.08		1.18	.29							.29		.32		.70	.19					3.29
Shade Gap‡	Middle Susq				.08					.26					.62	.14			.31	.35	.30	.22		1.23	.18		.20	.05					3.94
Shawmont	Schuylkill	.01								.11	.21		.14		.09	1.05	.01				.06	.01	.24		.03	.27	.73	.50					3.46

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Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq				.15		.01		T.	.18	.05				.30	.36	.05	T.	.24	.32	.65	.05	.37	.37	1.20		.14	.21					4.65
State College	W. Br. Susq			T.	.28	T.	.15			.19	.08				.48	.10	.19		.11	.31	.23	T.		.20	.97		.09	T.	T.	T.			3.38
Stroudsburg‖	Upper Del			.11						.15	.05					1.57					.09			.22			.45						2.64
Sunbury‖	Lower Susq	.04				.13	.07			.05	.06	.10				.65	.09	.03	T.	.05	.06	.35	.02		1.10	.08		.37					3.25
Susquehanna‖	N. Br. Susq	.05					.02				.06	.09	T.			.98	.15				.03	T.	.22		.62	.36		.08					2.66
Towanda	N. Br. Susq			.10	.02	.01	T.		.03	.29	.04	T.	T		.23	.62				T.	.07		.28	T	.46		.01	.03	T.	T.			2.19
Weikert	Lower Susq			.31	.10	.15				.20					.55	.25	.10		.10	.10	.04	.08			.62		.12		.10				2.82
Wellsboro	N. Br. Susq			.23		.17	.07			.29	.12				.06	.67	T			T.	.25			.06	.29				.06				2.27
Wernersville[near]	Schuylkill		T.	T.	T.					.06	.52	T.			T.	1.15			.06	.73	.10	.07	.43	.02	1.03		.43			.07			4.67
West Chester	Lower Del				.04					.04	.06		.12		.18	.65		T	.03	.01	.12		.29	.01	.42		.49	.38					2.84
Westgrove‖	Lower Del	.04			.78					.03	.06		.12			.69				.08	T.	.09	.40		.24	.36		.96					3.84
Wilkes-Barre‖	N. Br. Susq				.22		.32		T.	.07	.17	.02				1.17	.04					.03	.17		.95	.42		.50					4.08
Williamsport‖	W. Br. Susq				T.		1.11			.18	.15	.02				.71	.08	.02			.11	.05			.31	.06		.06		.04			2.90
Williamstown	Lower Susq				.08	.05	.02				.24				.05	.59	.08		.08	.09	T.	.05	.05	.01	2.48		.05	.12		.83			4.87
York	Lower Susq				.23				.02	.02	.07				.33	.67	.02		.11	.08	.76		.56	T.	1.32		.20	.09					4.38
York Haven‖	Lower Susq	.38			.22	.12				.04	.05	.05				.86	.02			.10	.12	.22	.65		1.42	.34		.26					4.86
Zionsville..(near).	Schuylkill								T.	T.	.55				.85	.72				.04	.05		.13	T.	.35	.04	.40	.45	.02				3.60
Trenton, N. J***	Lower Del			T.	T.				T.	.09	.17	T.	.20		.78	.47			T.	T.	.01		.31	T.	.08		.62	.22		T.			2.95
Ohio Drainage																																	
Beaver Falls‖	Beaver	.05					.01			.07	.15	.01			T.	.83	T.		.65	.17	1.90	.07	.90	.12	1.14	.01							6.08
Blairsville	Allegheny				.12		.03			.22	.17				T.	1.02	.19	T.	.24	.82	.44	52	.24	.03	.42	.07							4.53
Bradford	Allegheny								T.	.09	.27	T.			T.	.32				.15	.66		.23	.11	.48				.20	.27			2.78
Brookville‖	Allegheny		.01		.58	.02	.05			.07	.25	.01		.01		.43	.03		.16	.05	.61		1.09		.72	.03							4.12
Buckstown‡	Allegheny									.10	.25	.02			.86	.32			.57	.68	.45	.46		.62									4 33
Butler	Ohio					.03					31				.35		.45		.65	.81	.25	.80		.75	1.06								5.46
Chambersville	Allegheny									.11	.46				.41	.10	.03		.57	.47	.21	.25	.45	.27	.96								4.29
Clairton‡	Monongahela					T.			T.	.08		.12			.39	.42		.20	.42	.12	.60	.35		1.02	.10								3.82
Clarion	Allegheny					.37				.05	.13			.02		.42	.03			.32	.59		.73	.02	1.28	.02							3.98
Claysville	Ohio						T.		T.	.14		.05			.66	.58	.01	.01	.80	.25	.02	.28	.88	.15	1.03								4.86
Confluence‖	Youghiogheny						.05				.12	.05			T.	1.32	.20		.40	.01	.45	.33	1.00		.28	.05							4.26
Connellsville	Monongahela	T.				T.	.05			.03	.04	.06			T.	.61	.02		.62	.08	.34	.24	.38		.20	.26				T.			2.93
Corry	Allegheuy				.52		T.				.36					.21			.08	.07	.43		.08	.23	.46				.07				2.51
Coudersport	Allegheny					.08		.06	.34	.18				.18	.59	.10			T.	.23		.30	.39	.43					T.				2.88
Derry	Conemaugh						.05			.08	.20	.18			.51	.29	T.		.64	1.10	.03	.12	.36		1.45								4.91
Donora‖	Monongahela					.08			.04		.02	.05	.01		.77	.23		.02	.74	.46	.07	.50		.90	.17								4.06
Dunlo‡	Allegheny				.19					*	*	*			*	*			*	2.45	.32	.29	.02	.83	.14								4.24
Ebensburg	Conemaugh				.01					.22	.32	.04			.08	.41	.02		.62	.53	.16	.29	.16	.01	.66		.12						3.65
Franklin‖	Allegheny				.33	.04	T.			T.	.12			T.		.30	.04		.16	.03	.53	T.	T.		.75	.06							2.36
Greensboro‖	Monongahela					T.	T.			.21	.10	.03			.04	.99	.08		.56	.43	.46	.11	.97		.11	.17							4.26
Greeusburg	Youghiogheny					T.			T.	.15	.10	.10			.60	.31		T.	.57	.74	.04	.37	.59	.05	.97								4.59
Greenville	Beaver				.67	T.					.21				.55	.30		T.	.45	.55	.08		T	.26	.48								3.55
Grove City	Beaver				.30	.15				.03	.10				.47	.13			.41	.97	.50		.36	.19	.06	.54	T.						4.21
Irwiu	Monongahela						.12			.03	.10	.10			.83	.38		T.	.84	.77	.01	.30	.35	.35	.51								4.69
Johnstown	Conemaugh				.22		.05			.11	.20	.12			.87	.25	.24		.60	.85	.24	.31	.32	1.16	.08		.01						5.63
Kane (near) ‡‡	Allegheny				.63				T.	.17	.19	T.	T.		.24	.36		.02	.05	.15	.49		.02	.25	.50								3.07
Kregar‖	Youghiogheny					.04			.12	.10	.15				.74	.18		.30	.28	1.03	.82	.42		.36	.28		T.						4.82
Lake Lynn‖	Monongahela									.10	.06	.01			.01	1.05	.13		.62	.38	.42	.23	.94		.20		.11						4.26
Linesville‖	Beaver			.66	.10	.15		.01	.03	.15	T.				.33			.15	.06	.72			T.	.93			T.			T.			3.19
Lock No 2‖	Ohio	.04					.06			.09	.10	.03			.10	.65	.02		.80	.08	.78	1.61	.56	T.	.62	.02							5.56
Lock No. 4‖	Monongahela						.14			.16	.11	.16			.03	.85	.11		.41	.44	.38	.38	.39		.76	.21							4.53
Lock No. 6‡‡‖	Allegheny	.05			.07		.12			.09	.23	.07				.70	T.		.50	.16	1.78	.09	.68		.88	.08							5.60
Lycippus	Conemaugh									.04	.16	.14			.75	.42			.58	.70	.12	.70	.45	T.	.80								4.86
Marienville‡	Allegheny				.03					.18	.17				.34	.02			.09	.10	.11	.22		.32	.38								1.96
McKeesport‖	Monongahela						.13			.14	T.	.06			T.	.80			.44	.11	.45	.27	.27		1.04	.04							3.75
Meadville	Allegheny				.15		.03		T.	T.	.29	T.	T	T.		.36	.07		.11	.02	.49				.76	.02							2.30
Mercer‡	Ohio				.17	.14	.05	.04		.10	.10				.60	.10			.45	.71	.33	.47	.02	.30	.43								4.01
Midland	Ohio					.03	T			.30	.07	.01			.19	.89	.06		.89	.10	1.10	.82	.46	.02	1.00	.01							5.95
Mosgrove‖	Allegheny	.08			.16	.10				.14	.22	.03				.67	.04		.30	.20	.52	.21	.44		.63	.08							3.82
Mount Lebanon	Ohio					.17			T.	.16	.02	T			.93	.18		.03	.73	.71	.30	.40		1.10	.40								5.13
Natrona‖	Allegheny	03					.02			.15	.16	.10				.65	.02		.48	.23	1.26	.56	1.00		1.06	.10							6.81
New Castle‖	Beaver	T.			.03	T	T.			T.	.09	T.	T.	T.	.30	.38	T.	T.	.61	.76	.61	.76	.49	.25	.58	T.							4.86
Newell	Monongahela					.15			.15			.15		.83	.62	.05		.85	.30	.07	.44	.38	T.	.78									4.77
Parkers Landing‖	Allegheny				.14		.07		T.	T.	.27	T.		T.		.57	.02		34	.18	.98	.18	.88	.04	1.28	T.							4.95
Pennline‖‡‡	Beaver			.79		.05		T.	.05	.20	.01					.30	T.		.18	.19	.54		.02	.49									2.82
Pittsburgh***	Ohio					.10			T.	.12	.01	.08			.65	.10		.10	.67	.52	.23	34	T.	1.10	.18		T.						4.10
Punxsutawney‖	Allegheny	.06			.17	.06	.03			.95	.20	.01				.42	T.		.23	.14	.83	.06	.28		.55	.12				.03			4.14
Ridgway	Allegheny	T.			.51	.02				.13	.23	T.				.38	.05		.06		.39	.04	.44		1.05	.09				.34			3.73
Rochester‡	Ohio	.04					.03		.12	.06		.06			.82			.26	.74	1.50	.71	.85		.87	.50								6.56
Salisbury (near)	Youghiogheny					.09	.01		T.	.11	.25	.08			1.05		.03	T.	1.10	.41	.25	.56	.35	.02	.08		.21				.01		4.61
Saltsburg‖	Conemaugh	.07					.06			.08	.12	.11			T.	.66	.03		.45	.19	.84	.41	.30	T.	.76	.28							4.36
Sharon‖	Beaver				.15						.13				T.	.85			.53	.52	.35	.15	.30	.07	.67								3.72
Sharpsville‖	Monongahela				.15					T.	.15	.04				.85	.03		.47	.15	.78	.46	.24	.05	.78	.02							4.17
Smethport‖	Allegheny					T.	.05				.10	.20	T.	.10	T.	.10	.30				.35	.02	.38	.05	.73					.05	T.		2.43
Somerset	Youghiogheny						.04				.30	.03			.75	.41	T.		.71	.78	.11	.52	.42	.10	21		.03						4.41
Springdale‖‡‡	Allegheny						.09			.08	.16	.09				.74			.52	.23	.98	.20	.58		.97	.16							4.79
Titusville‡	Allegheny				.52	.11					.06				.26				.08	.27	.05	.03		.12	.38								1.88
Union City‡	Allegheny				.49					.06	.22				.22				.11	.21	.21	.06		.33	.35				.14				2.40
Uniontown	Monongahela						T.		T	.03	.12	.07			.78	.35		.01	.92	.28	.46	.59	.41	.02	.45		T.						4.49
Unity Reservoir‡‡	Youghiogheny						10			.02	.15	.15			.47	.54		T.	.63	.79	.04	.27	.46	T.	1.15								4.77
Vandergrift‡	Conemaugh					.01			T.	.20	.06				.45			T.	.67	1.29	.28	.51		61	.16								4.24
Warren	Allegheny			1.26			.04		.04	.06	.30	.04					.25		.06	.10	.50	.16	.05		.56	.04				.10			3.56
Waynesburg	Monongahela									.33					1.03	.34			.94	.38	.14	.12	.40	.60	.60								4.86
Westford‖	Beaver			.74		.22			.20	.15					.62			.30	.03	.80		.05		.90									4.01
West Newton‖	Youghiogheny						.09			.07	.06	.05			T.	.94	.18		.28	.22	.47	.09	.44		.82	.22							3.93
Lake Drainage.																																	
Erie***	Lake Erie				.63	T.			.03	.87	.28	T.			.04	.06		T.	.02	.17	.54	.07		.20	.18					.01			3.10
Raymond‡	Genesee			.10					.05	.27	.16				.20	.48	.20				.17	.26	.09	.30	.29				.46				3.05

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 6, Schenley. ‡ Mdt. to mdt.

Daily Temperatures for May, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	68	80	83	85	85	77	75	73	64	59	58	51	60	55	51	67	72	64	59	79	74	74	72	69	65	61	74	78	73	66	67	69.0
	Minimum	34	46	46	54	55	53	48	45	48	43	41	28	29	33	42	47	44	49	51	57	54	51	48	58	32	45	54	49	51	47	45	46.0
Bedford	Maximum	71	85	87	87	87	80	79	77	69	66	60	63	63	63	51	68	73	67	66	81	81	78	78	75	68	66	74	80	85	72	71	73.2
	Minimum	34	37	42	55	57	57	46	45	50	34	27	28	35	34	44	48	41	61	53	58	58	59	52	60	34	47	55	52	53	48	40	46.3
Bethlehem	Maximum	67	82	82	72	82	82	79	78	75	65	63	63	63	63	51	72	77	76	65	65	76	79	79	74	66	66	69	81	78	66	70	71.8
	Minimum	46	55	55	54	53	64	49	52	49	49	47	41	40	42	44	46	54	56	50	54	60	56	66	59	44	44	52	59	57	47	41	50.8
Brookville	Maximum	68	78	83	82	75	72	71	74	62	54	52	50	58	50	54	66	70	57	67	79	74	71	73	60	72	70	81	83	78	69	72	68.5
	Minimum	27	32	37	48	51	44	33	45	47	43	39	25	25	29	42	43	35	48	49	49	48	50	43	50	29	40	44	46	52	50	36	41.3
Butler	Maximum	70	78	86	88	88	84	74	84	78	62	58	54	63	55	51	65	73	70	72	76	76	76	77	76	68	75	80	86	90	92	90	74.7
	Minimum	32	36	42	59	54	48	38	50	44	45	30	26	30	35	37	45	40	49	55	63	51	47	56	60	37	47	47	49	51	65	45	44.9
Carlisle	Maximum	76	85	86	80	85	82	85	75	74	70	64	62	70	62	52	71	72	68	60	77	82	80	78	78	70	66	75	83	82	81	72	74.3
	Minimum	40	48	56	53	55	60	61	48	54	51	41	32	32	38	41	48	48	53	54	57	62	62	56	59	39	47	56	58	50	47	89	49.5
Chambersburg	Maximum	71	83	86	85	86	81	83	76	71	65	65	61	66	62	55	72	78	69	61	80	81	78	74	72	69	62	70	82	75	67	72	72.8
	Minimum	39	42	47	56	57	64	50	52	54	48	50	35	33	40	42	48	49	54	54	59	60	61	58	60	30	49	54	58	54	46	41	49.8
Chambersville	Maximum	69	78	86	86	87	80	76	77	71	61	65	54	62	52	51	69	73	64	73	79	75	73	79	75	74	69	80	85	76	69	71	71.9
	Minimum	30	35	40	57	55	47	41	45	44	43	39	24	25	34	42	44	38	48	53	58	50	50	49	54	28	47	49	50	48	49	41	43.8
Claysville	Maximum	72	84	86	89	90	81	78	77	76	66	63	56	68	67	50	69	69	63	80	81	80	75	78	68	75	73	89	83	81	74	73	74.6
	Minimum	28	35	46	57	64	40	39	49	43	46	42	23	27	41	44	45	39	51	58	65	57	54	53	53	34	40	47	51	59	54	42	46.0
Clearfield	Maximum	74	84	87	87	89	84	76	75	69	58	60	55	64	60	53	71	75	66	65	71	78	76	74	71	76	68	....	....	....	85	....	71.9[4]
	Minimum	38	38	41	48	55	54	42	48	50	44	41	28	27	30	41	47	41	50	52	58	51	61	47	58	32	42	....	....	....	45	....	44.4[4]
Coatesville	Maximum	66	82	82	74	71	80	82	72	68	62	67	54	49	58	51	71	76	66	69	72	79	78	72	62	68	63	67	81	70	65	70	69.3
	Minimum	42	48	51	50	51	60	62	49	53	48	46	40	36	40	45	48	49	55	51	56	62	60	54	59	44	46	54	61	54	44	38	49.9
Corry	Maximum	70	78	85	84	87	79	68	65	60	61	51	48	61	56	56	67	68	70	72	79	72	74	74	73	73	79	79	80	83	75	78	70.8
	Minimum	30	40	42	47	56	42	33	45	43	40	32	25	25	28	40	42	38	45	52	60	45	45	44	44	27	44	49	49	53	51	44	41.9
Coudersport	Maximum	70	78	75	85	80	72	66	61	56	49	47	59	55	46	66	70	68	64	77	74	73	69	67	73	74	68	81	80	74	70	75	68.5
	Minimum	37	37	58	44	52	35	38	45	40	38	20	25	24	39	34	34	42	44	54	48	46	41	47	28	30	47	48	48	50	45	36	40.5
Donora*	Maximum	73	84	88	90	86	76	79	75	65	66	56	55	66	56	53	71	75	62	83	83	75	77	80	65	73	73	84	88	82	72	78	73.8
	Minimum	36	42	52	61	62	53	47	52	47	49	39	32	36	47	47	49	46	54	59	65	61	59	57	42	38	53	52	56	61	54	49	50.2
Ebensburg	Maximum	63	75	80	78	84	77	69	66	66	56	54	47	62	60	45	63	63	61	63	73	72	72	73	72	61	61	72	75	72	66	66	66.7
	Minimum	31	41	44	45	57	49	44	46	41	40	39	28	31	36	41	43	43	46	51	55	51	51	50	52	31	45	52	52	52	43	41	44.2
Emporium	Maximum	72	80	83	87	88	79	75	72	64	58	52	50	60	55	51	67	69	65	64	81	76	73	70	69	74	68	82	84	75	70	75	70.6
	Minimum	40	38	39	40	53	52	36	45	48	43	40	26	28	27	43	38	37	47	54	58	53	48	47	50	32	41	51	52	54	48	41	43.5
Ephrata	Maximum	73	85	85	80	84	81	84	77	72	64	67	60	68	62	55	70	79	78	65	76	84	81	73	78	72	65	72	88	79	71	77	74.4
	Minimum	41	43	51	54	52	61	46	49	53	50	45	38	34	40	45	48	48	54	54	57	59	59	58	61	43	49	55	61	55	46	40	50.0
Erie*	Maximum	62	71	71	73	86	67	58	56	56	50	47	47	56	57	53	60	65	67	75	75	60	65	76	57	63	73	74	75	80	74	69	65.1
	Minimum	39	55	52	46	58	51	46	49	43	43	38	40	37	42	44	49	50	51	57	51	50	49	57	44	39	53	58	63	63	58	55	49.4
Franklin‡	Maximum	69	78	85	85	84	72	71	74	59	54	49	48	59	52	54	67	64	59	73	80	72	72	75	56	70	72	81	85	76	70	72	68.9
	Minimum	31	33	39	45	55	46	38	40	47	43	38	29	30	31	36	45	41	43	50	55	49	49	47	50	32	34	46	49	52	53	44	42.6
Freeland	Maximum	60	74	70	68	74	70	70	67	67	54	51	47	54	52	40	61	67	61	54	61	66	69	60	65	63	60	64	71	67	64	68	62.2
	Minimum	36	50	49	49	52	58	50	46	46	41	40	30	32	39	38	38	46	48	47	51	50	50	53	49	34	43	51	52	54	44	39	45.3
George School	Maximum	69	83	81	75	81	87	81	75	69	65	66	65	65	65	56	73	77	79	70	71	79	82	80	81	77	66	68	81	83	64	68	73.6
	Minimum	40	51	51	54	48	58	51	49	48	48	45	39	35	43	45	45	49	51	49	51	61	57	53	52	44	46	55	55	56	46	40	48.9
Gettysburg	Maximum	73	84	84	81	82	81	83	80	72	72	67	62	66	64	58	71	77	74	61	76	82	82	78	75	69	64	70	80	79	70	69	73.7
	Minimum	40	47	54	55	57	61	52	52	54	48	50	35	36	42	43	49	50	55	54	58	64	62	58	62	41	50	55	60	58	46	41	51.3
Gordon	Maximum	69	81	83	79	80	78	78	76	66	62	60	58	62	60	50	69	72	69	58	74	76	76	75	73	69	61	73	81	69	64	70	70.0
	Minimum	37	38	47	50	52	56	39	48	50	44	36	28	26	30	43	45	41	45	51	55	54	59	46	58	33	45	54	53	55	45	35	45.1
Greensburg	Maximum	68	79	81	84	83	78	74	74	70	62	57	52	61	57	51	66	69	62	77	77	72	73	78	74	74	70	80	88	80	75	74	71.6
	Minimum	33	41	48	60	59	52	45	48	46	45	42	29	34	40	44	46	44	50	53	64	57	54	54	55	35	51	50	52	56	53	47	48.0
Greenville	Maximum	74	82	87	88	87	79	75	78	70	57	55	50	67	68	54	68	70	64	77	82	79	75	78	72	76	79	85	90	90	85	82	74.9
	Minimum	32	38	45	60	57	44	36	37	45	43	40	29	29	36	46	34	46	50	55	63	49	52	50	48	31	45	50	53	57	55	49	45.3
Grove City	Maximum	69	78	82	82	84	80	78	77	61	59	56	48	62	62	49	66	67	68	72	76	69	71	73	70	72	72	83	89	82	75	72	71.1
	Minimum	33	44	52	60	62	49	44	50	44	43	42	32	35	41	43	44	50	48	53	47	52	50	63	45	36	49	52	46	58	52	47	47.0
Hamburg	Maximum	70	84	78	75	81	81	81	77	69	63	64	59	64	59	64	71	87	75	62	68	77	76	76	76	68	66	71	83	70	61	70	71.6
	Minimum	44	52	51	55	52	63	48	50	53	50	44	36	33	42	48	50	53	54	52	56	60	57	56	60	41	47	55	56	67	47	39	50.4
Harrisburg*	Maximum	72	81	80	75	79	79	80	69	70	62	63	57	64	67	65	70	75	63	61	76	79	77	70	73	64	64	71	79	70	67	66	69.9
	Minimum	44	54	54	56	56	63	58	53	62	50	46	40	40	46	44	50	53	64	54	57	62	60	58	52	47	50	55	60	54	48	45	52.1
Hawley	Maximum	65	76	68	78	83	76	72	63	58	58	56	54	59	63	49	65	71	72	64	66	66	76	69	73	71	67	72	82	71	67	73	67.8
	Minimum	39	42	39	46	43	55	39	42	43	40	41	28	27	26	40	41	40	37	45	51	52	47	45	55	32	37	51	46	55	37	36	41.8
Holtwood*	Maximum	69	81	77	75	79	79	81	71	74	63	64	59	64	59	56	68	73	63	63	74	78	76	69	77	69	61	66	81	70	67	72	70.3
	Minimum	47	53	56	57	57	61	56	54	57	52	50	45	43	48	49	53	57	56	55	59	64	59	59	59	48	54	57	64	54	50	46	64.1
Huntingdon	Maximum	72	83	87	86	87	76	79	78	69	62	62	57	64	51	54	71	75	65	62	83	80	79	75	68	68	61	76	81	76	70	72	71.9
	Minimum	38	38	42	52	54	59	45	48	53	48	46	28	28	32	44	48	49	51	54	58	58	60	53	48	33	45	45	55	54	48	39	46.9
Johnstown	Maximum	78	84	86	89	90	83	78	77	72	63	60	53	65	63	50	71	74	60	74	80	78	78	78	69	74	67	82	86	82	78	74	74.1
	Minimum	41	39	44	59	56	49	46	46	45	46	43	31	34	36	45	47	44	50	54	57	57	57	51	57	37	47	52	51	52	50	41	47.2
Kylertown*	Maximum	67	78	82	82	85	70	72	72	60	53	54	48	68	49	48	64	68	53	62	77	73	73	69	63	66	60	75	77	72	65	68	66.6
	Minimum	36	45	45	49	57	52	46	48	43	42	32	27	27	34	40	43	45	48	51	55	51	62	51	39	32	49	52	49	52	45	42	44.5
Lancaster	Maximum	71	84	84	77	79	81	84	82	71	71	69	64	69	66	55	71	78	77	64	73	83	83	79	77	69	69	71	82	80	70	71	74.3
	Minimum	38	38	45	60	50	57	42	45	54	48	41	36	32	38	43	42	44	50	53	57	56	52	53	60	40	47	54	60	56	45	36	47.2
Lawrenceville	Maximum	73	78	72	77	85	77	74	65	67	61	53	47	62	59	49	68	72	71	70	80	74	74	75	66	71	72	82	80	74	75	77	70.3
	Minimum	38	48	40	43	48	55	39	43	46	44	40	25	28	28	41	34	38	40	44	64	60	49	48	56	31	44	51	51	54	45	40	43.1
Lebanon‡	Maximum	70	82	81	74	80	80	81	75	69	63	63	58	65	59	55	70	76	61	62	73	79	80	69	76	67	64	72	82	70	67	70	70.7
	Minimum	40	46	50	55	55	58	48	51	53	48	44	34	33	42	44	45	44	53	54	51	58	57	56	60	41	47	51	56	58	47	40	49.0
Lock Haven	Maximum	71	86	82	80	88	85	81	78	69	67	63	59	65	64	54	71	75	74	62	82	81	78	75	72	70	67	79	73	74	74	73	73.3
	Minimum	44	46	47	50	55	60	46	51	50	47	44	30	32	34	44	44	41	51	53	57	54	57	54	60	36	45	55	54	57	49	42	48.0
Marcus Hook*	Maximum	87	84	79	79	87	86	84	72	67	68	67	67	66	59	70	74	76	73	74	81	79	78	82	80	67	66	78	77	64	66	75	74.6
	Minimum	52	60	57	55	62	53	65	56	54	51	42	43	51	47	51	55	63	54	58	67	63	55	61	48	50	50	62	56	50	44	42	53.8
Meadville	Maximum	68	78	84	84	83	71	67	70	56	53	48	46	59	52	53	65	67	62	74	79	67	71	74	54	70	76	80	84	80	72	74	68.4
	Minimum	33	41	51	54	42	35	37	45	43	37	27	26	31	44	45	40	45	50	51	48	47	48	53	31	37	50	52	58	55	49	41	43.4
Midland	Maximum	68	76	84	85	86	76	75	79	74	62	62	59	61	55	53	75	69	64	75	80	69	73	76	67	70	74	79	84	80	74	74	72.2
	Minimum	35	42	48	68	56	48	43	52	47	45	43	31	36	41	44	54	44	52	54	61	55	54	55	54	37	49	60	53	68	57	62	48.6
Montrose	Maximum	65	69	63	73	79	72	68	62	59	56	50	50	55	68	45	62	67	69	61	68	67	71	67	67	65	64	74	78	70	67	70	64.9
	Minimum	37	50	43	44	52	67	45	41	46	41	38	27	31	31	36	37	45	43	46	51	48	48	51	54	32	43	50	53	56	41	40	43.8
Mount Pocono	Maximum	63	73	66	67	77	70	71	61	56	51	50	48	54	54	42	60	67	63	56	61	67	72	62	68	62	64	67	76	66	60	64	62.5
	Minimum	38	46	47	49	45	60	46	46	47	40	40	30	28	29	39	36	47	45	47	50	50	49	54	54	35	33	51	49	54	43	30	43.8
Muncy Valley	Maximum	69	79	66	72	80	79	74	67	64	62	57	69	61	57	53	56	61	66	61	69	73	76	69	69	66	62	69	79	76	68	69	67.4
	Minimum	41	52	40	51	46	50	48	52	48	44	43	27	27	29	33	37	34	42	45	54	49	50	49	58	30	42	49	61	50	44	35	43.5
New Bloomfield	Maximum	74	84	84	79	82	79	81	75	70	62	63	69	65	56	54	69	75	65	59	78	82	76	70	74	68	59	76	82	72	70	72	71.4
	Minimum	41	40	44	49	49	57	53	64	46	46	40	27	28	33	43	46	48	60	53	56	58	57	52	59	34	44	65	55	68	60	37	47.5
New Castle	Maximum	70	80	86	86	86	84	74	77	74	62	59	51	61	64	64	68	69	69	72	81	83	73	81	68	72	73	82	86	73	84	74	73.4
	Minimum	32	38	40	59	56	45	38	52	46	45	42	28	31	37	46	45	41	51	56	63	50	51	51	50	35	45	50	50	61	55	47	46.3
Palmerton*	Maximum	70	82	73	70	81	80	79	72	64	61	61	56	64	60	52	70	75	67	63	66	75	78	67	74	66	64	72	79	70	67	70	69.3
	Minimum	45	44	43	54	63	54	45	51	50	47	42	37	31	34	45	47	48	51	52	55	57	55	60	51	39	43	65	59	53	46	38	48.0
Philadelphia*	Maximum	66	81	79	73	78	82	81	71	62	63	65	60	61	58	55	71	75	66	69	71	78	77	73	77	66	59	66	79	63	62	67	69.5
	Minimum	49	55	62	56	55	59	53	56	53	52	52	42	47	47	47	51	56	56	53	56	65	60	53	58	50	52	56	57	53	51	47	53.6
Phoenixville	Maximum	64	83	81	79	80	84	82	81	72	66	65	66	67	65	57	72	75	75	68	68	78	79	77	78	77	67	68	80	82	68	69	73.3
	Minimum	42	43	48	60	50	58	44	46	52	49	42	42	32	40	46	47	50	53	52	58	59	50	55	62	44	45	56	62	57	45	36	48.9

Continued on page 29.

Daily Temperatures for May, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Pittsburgh*	Maximum	69	81	84	86	85	73	75	75	62	62	52	53	64	53	51	68	68	60	78	76	74	76	77	62	75	73	82	85	76	68	72	70.8
	Minimum	35	48	55	65	62	52	51	53	44	45	39	33	39	43	44	46	49	50	56	64	56	54	56	44	41	53	55	59	60	53	47	50.0
Quakertown	Maximum	65	80	77	69	79	81	78	73	68	61	63	60	62	61	59	71	72	72	65	67	74	74	72	71	68	61	67	78	75	62	66	69.4
	Minimum	43	43	46	61	47	59	51	41	45	44	40	39	30	35	42	45	50	47	49	53	58	55	53	51	41	40	52	49	55	45	33	46.5
Reading*	Maximum	68	81	81	76	82	78	79	74	67	60	62	57	63	60	54	69	74	64	65	73	79	77	70	76	66	63	67	80	68	64	69	69.9
	Minimum	45	58	60	57	57	65	61	55	54	51	49	42	41	45	46	49	55	56	53	57	60	58	58	52	46	50	55	62	52	50	44	52.9
Retreat	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Ridgway‡	Maximum	52	71	78	84	84	86	73	73	73	61	54	52	52	59	52	53	68	69	69	70	79	74	72	72	60	73	70	80	84	76	69	69.1
	Minimum	32	35	38	46	53	48	34	43	48	42	40	22	26	27	42	42	34	47	49	55	51	45	42	50	29	35	48	49	51	49	36	41.5
Salisbury(near)	Maximum	64	78	80	82	80	68	70	62	60	54	50	49	58	46	44	60	64	52	73	73	72	68	75	62	62	60	70	74	67	56	62	64.4
	Minimum	32	44	50	58	57	50	45	47	42	41	38	25	30	40	37	42	47	49	50	59	57	57	51	49	30	49	50	50	56	44	41	45.7
Scranton*	Maximum	68	77	64	75	84	75	73	59	62	55	53	54	58	63	49	66	71	71	65	71	65	75	71	72	70	65	74	80	73	68	73	67.7
	Minimum	44	54	47	53	53	58	52	50	51	46	42	36	37	34	42	43	49	48	55	57	55	53	55	48	43	47	55	53	53	50	42	48.5
Selinsgrove	Maximum	70	82	80	75	80	78	77	78	69	67	59	56	61	63	52	67	71	70	60	72	76	76	68	69	65	65	76	81	66	68	62	69.6
	Minimum	60	47	45	49	50	58	43	50	50	46	41	31	30	33	44	38	46	50	52	56	55	55	52	59	37	46	55	55	47	45	41	47.3
Somerset	Maximum	63	75	78	81	81	76	69	69	63	57	53	46	57	57	44	59	60	57	73	71	70	74	74	72	62	62	71	75	75	66	64	66.3
	Minimum	30	29	35	48	50	50	39	38	42	41	40	23	24	29	40	42	42	48	49	56	55	52	46	54	29	43	49	43	44	47	37	41.7
State College	Maximum	69	89	86	83	84	75	75	73	65	59	58	50	60	51	52	66	71	63	61	80	77	75	72	68	67	61	76	81	70	68	70	69.2
	Minimum	39	50	48	49	50	55	50	50	49	43	41	30	31	34	42	44	46	49	50	56	53	55	56	52	35	46	53	52	55	46	43	46.8
Stroudsburg‡	Maximum	73	80	65	71	81	79	78	69	66	69	63	56	64	59	52	69	75	70	65	62	74	80	76	71	79	74	71	73	69	73	80	70.5
	Minimum	42	45	44	49	47	53	45	42	47	47	41	36	29	30	38	45	47	47	51	51	51	52	56	44	52	47	49	55	49	40	36	45.4
Towanda	Maximum	71	77	58	76	85	77	73	55	67	56	54	53	61	63	49	67	71	71	65	73	66	75	68	68	68	68	79	81	73	71	72	68.1
	Minimum	42	48	40	48	47	60	43	42	47	44	38	27	30	27	42	38	45	41	46	56	54	52	48	50	34	46	52	50	55	44	39	44.4
Uniontown	Maximum	71	83	88	90	88	80	80	73	68	65	59	58	65	60	50	71	73	63	80	81	77	74	81	77	76	72	82	87	81	71	78	74.3
	Minimum	33	36	46	58	59	55	44	49	48	48	44	29	30	43	44	47	45	54	55	64	60	57	56	56	37	56	50	57	59	55	50	49.2
Vandergrift*	Maximum	73	81	92	92	92	78	80	84	68	64	59	56	68	55	57	74	78	61	79	84	79	76	81	66	77	74	84	87	80	73	76	75.1
	Minimum	33	39	48	59	57	50	43	48	49	48	36	30	32	37	45	47	42	52	56	63	55	53	51	42	35	49	50	53	56	54	44	47.0
Warren	Maximum	56	70	76	80	81	82	70	64	62	50	50	46	55	54	53	62	62	65	68	75	75	66	69	70	64	72	74	76	75	72	70	66.6
	Minimum	34	35	42	54	55	47	40	55	46	42	42	31	28	28	40	44	35	48	50	59	50	52	49	50	37	46	49	52	51	50	42	44.6
Waynesburg	Maximum	72	83	86	89	86	79	77	72	67	65	56	56	64	62	50	68	69	65	80	80	79	73	80	68	72	76	82	86	82	73	77	73.4
	Minimum	32	36	47	56	60	49	42	47	45	48	43	28	29	41	44	46	45	52	60	65	59	57	54	55	35	51	48	50	60	56	45	47.9
Wellsboro	Maximum	70	77	60	78	84	75	73	67	65	55	52	48	58	57	47	66	70	66	59	80	70	75	66	67	70	66	81	80	69	72	75	67.7
	Minimum	40	50	41	47	49	57	40	42	47	44	42	26	28	28	40	38	40	42	45	55	52	52	48	48	31	45	44	43	41	43	31	42.5
West Chester	Maximum	63	81	79	72	79	81	80	73	63	60	64	60	64	61	52	69	74	69	67	69	....	76	71	74	66	59	66	81	74	65	70	69.4[a]
	Minimum	42	46	55	52	52	59	51	51	53	49	45	40	35	43	45	48	50	55	53	56	62	59	56	60	44	48	55	62	56	45	41	50.6
Williamsport	Maximum	73	83	76	78	84	79	77	75	67	63	57	54	63	62	50	70	74	69	61	76	75	77	75	71	67	66	79	83	73	70	73	71.0
	Minimum	43	48	45	48	54	60	44	50	50	46	44	32	32	33	44	44	45	47	53	57	57	56	53	61	36	47	55	55	57	46	41	47.8
Williamstown	Maximum	72	80	83	83	79	80	78	78	74	70	64	59	59	59	57	68	73	72	58	65	74	82	76	72	70	69	73	80	83	83	76	72.5
	Minimum	36	53	53	52	54	60	54	48	46	44	41	31	34	43	40	43	48	51	49	52	54	54	54	55	37	45	51	54	55	43	39	47.5
York	Maximum	72	85	85	80	80	80	83	81	71	69	69	63	66	64	55	69	75	72	62	78	82	78	75	78	69	65	70	83	80	68	71	73.5
	Minimum	38	41	46	51	56	56	45	46	54	47	44	33	34	44	44	48	42	49	54	57	58	62	56	62	40	49	55	60	60	45	38	48.8

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. [a], [b], [c], etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	29.94	30.33	31	29.41	15	11.9	41	se.	14	73	61	66	61
Harrisburg	29.95	30.41	31	29.35	15	7.2	23	nw.	16	70	53	57	52
Philadelphia	29.96	30.42	31	29.30	15	11.2	31	nw.	10	71	52	58	56
Pittsburgh	29.95	30.32	31	29.39	15	10.2	33	nw.	16	75	51	54	63
Reading	29.95	30.41	31	29.34	15	10.5	36	se.	14	69	52	57	43
Scranton	29.95	30.40	31	29.30	15	6.6	25	nw.	16	69	48	55	51

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	3.1	4.3	17	2.4	8	18
Easton	Delaware	3.0	5.2	26	1.9	14	22
Lehighton	Lehigh	3.7	5.1	25	3.1	14	9
Wilkes-Barre	Susquehanna	4.5	6.4	18	3.5	14	20
Williamsport	Susquehanna	3.6	6.5	26	2.6	14	20
Harrisburg	Susquehanna	4.6	5.7	27	4.1	14	18
Greensboro	Monongahela	14.3	28.8	22	10.6	9	30
West Newton	Youghiogheny	2.3	8.0	22	0.5	10	20
Lock No. 4	Monongahela	14.6	26.9	22	11.1	9	30
Pittsburgh	Ohio	.....	17.5	23	15.8*	24	25
Midland	Ohio	.....	22.6*	23	12.8*	27	30

* Pool stage.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. JUNE, 1938. No. 6.

GENERAL SUMMARY.

This was the coolest and wettest June of the last ten years. Light frosts occurred at a few stations on the 1st, when a minimum temperature of 32 degrees was recorded at Hawley and Mauch Chunk respectively. No serious frost damage was reported, but such cool nights retarded the growth of vegetation, especially corn and some of the truck crops. The rainfall for the State averaged about 25 per cent above the June normal despite the fact that it was deficient in nearly all of the Susquehanna drainage area. The greatest excesses were recorded in the Delaware drainage, where large deficiencies appeared in April and May. The heaviest rains occurred on the 26th and 27th, when the rye harvest was in full swing and the wheat harvest was just beginning in the southeastern counties. Much of the ripened grain was beaten down, and considerable rye was damaged in the shock. The losses were heavy, but were of such a character as to make accurate estimates impossible. Some of the newspaper estimates exceeded $1,000,000. Temperatures were mostly seasonable after the middle of the month, and stimulated a more rapid growth of corn and truck crops. The whole month seemed to be favorable for the growth and development of barley, rye, and wheat, all of which ripened a little earlier than usual. The barley crop was estimated to be the largest of record, partly due to increased acreage. Wheat and rye were fully up to the 10-year average. Pastures and meadows were a little backward during the early part of the month, but made a rapid recovery after the rains of the 11-13th. Early potatoes made a fine growth, and in most regions they appeared to be entirely free from insect pests. Early in the month it became apparent that the frosts of May 25th had killed most of the strawberry crop across the northern portion of the State, and had done some damage to orchard fruits. The heaviest damage by local storms in June was occasioned by the flooding of creeks and the beating down of ripened grain. There was minor damage by hail and by lightning. On the 12th a tornado occurred in Dauphin County with destructive effects in a narrow path extending about ten miles from the region of Halifax to Elizabethville. It wrecked seven barns and damaged other buildings to a total estimated at $20,000, and its crop damage was apparently about an equal amount.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 90 stations, was 67.1°, which is 1.0° below the 51-year normal for June. The highest monthly mean was 74.5°, at Marcus Hook, and the lowest was 58.9° at Gouldsboro. Extremes of temperature ranged from a maximum of 99° at Gettys-on the 26th, to a minimum of 32° at Hawley and Mauch Chunk on the 1st. The greatest daily range in temperature was 48° at Hawley and Butler on the 1st.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 173 stations, was 5.14 inches, which is 1.02 inches above the 51-year normal for June. The greatest monthly amount was 12.18 inches at Coatesville, and the least was 1.44 inches at Forest City. The greatest amount for any 24 consecutive hours was 4.94 inches at Philadelphia-Pt. Breeze on the 26-27th.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	68.4	100	30	3.04	....	9	12	11	7
1889	66.7	95	33	5.43	....	15	5	12	13
1890	70.1	97	33	3.42	....	9	12	11	7
1891	68.2	100	30	4.50	....	11	14	8	8
1892	71.8	99	40	5.64	....	13	9	11	10
1893	69.8	100	38	3.12	....	9	10	11	9
1894	69.6	102	30	2.57	....	10	13	12	5
1895	71.4	104	32	3.50	....	9	13	10	7
1896	67.4	93	32	4.64	....	11	10	11	9
1897	64.8	96	28	3.38	....	11	11	11	8
1898	69.6	100	33	2.79	....	9	14	11	5
1899	69.9	101	32	3.51	....	9	13	11	6
1900	69.9	97	35	3.60	....	10	11	12	7
1901	69.1	103	32	3.47	....	10	12	11	7
1902	66.0	97	32	5.97	....	13	11	12	7
1903	63.5	90	34	6.53	....	15	7	10	13
1904	67.9	96	32	4.06	....	13	12	10	8
1905	68.0	99	30	4.39	....	13	11	10	9
1906	69.3	97	26	5.43	....	13	11	12	7
1907	63.6	98	30	4.99	....	12	11	9	10
1908	68.8	102	28	2.36	....	7	19	9	2
1909	68.8	96	34	4.48	....	13	12	9	9
1910	65.4	95	32	4.31	....	11	12	8	10
1911	68.3	99	38	4.71	....	12	12	10	8
1912	65.6	96	29	3.36	....	8	13	9	8
1913	68.2	99	20	2.26	....	7	19	7	4
1914	68.6	101	25	3.71	....	9	16	8	6
1915	65.6	92	31	4.00	....	11	14	10	6
1916	63.7	89	28	6.14	....	15	11	10	9
1917	66.8	92	32	5.38	....	14	12	11	7
1918	66.0	98	29	3.46	....	10	13	11	6
1919	71.2	102	32	3.90	....	10	16	9	5
1920	67.0	99	32	4.97	....	13	12	11	7
1921	70.6	101	26	3.12	....	8	17	9	4
1922	69.5	96	30	5.11	....	13	11	11	8
1923	70.9	103	32	2.73	....	9	16	9	5
1924	65.8	98	26	5.57	....	15	11	11	8
1925	71.9	104	29	3.04	....	9	16	11	8
1926	64.1	94	23	3.63	....	12	13	10	7
1927	63.8	99	25	3.72	....	9	15	8	7
1928	65.5	93	30	7.96	....	17	9	9	12
1929	67.8	98	28	3.56	....	10	15	10	5
1930	69.1	100	22	4.20	....	9	17	8	5
1931	68.5	102	28	3.71	....	9	16	8	6
1932	68.5	98	26	3.15	....	11	13	9	8
1933	70.9	107	28	2.58	....	9	18	8	4
1934	72.9	104	35	3.64	....	9	17	9	4
1935	67.4	96	33	4.22	....	12	13	9	8
1936	68.5	100	33	3.80	....	10	14	9	7
1937	69.5	99	38	4.37	....	12	13	9	8
1938	67.1	99	32	5.14	....	11	12	10	8
Period	68.1	107	20	4.12	....	11	13	10	7

Climatological Data for June, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	68.9	−0.8	94	25	40	1	37	10.51	+6.57	3.63	0	16	18	8	4	sw.	John A. Frick.
Altoona	Blair	1,615	51	64.8	−1.7	88	24†	39	1	36	2.97	−0.88	0.82	0	10	18	9	3	w.	John J. Martin.
Ardmore	Montgomery	350	18	67.2	−3.0	88	7†	39	1	34	9.52	+5.59	3.80	0	10	....	....	....	......	H. L. Balderston.
Arendtsville	Adams	700	16	69.4	−1.1	93	24	40	1	36	2.67	−2.42	1.04	0	9	15	7	8	nw.	Harold J. Miller.
Bedford	Bedford	1,060	6	67.0	......	90	11†	38	1	40	4.00	....	0.90	0	13	6	9	15	sw.	Charles C. Lee.
Bethlehem	Northampton	364	53	70.4	−0.1	93	7	43	1	33	9.98	+6.12	3.93	0	12	20	3	7	w.	Lehigh University.
Carlisle	Cumberland	467	72	71.2	+0.1	95	11†	39	1	43	2.59	−1.27	0.87	0	8	18	6	6	s.	Prof. C. E. Miller.
Center Hall	Center	1,272	42	66.6	+0.7	90	22†	46	9	32	4.85	+0.56	1.62	0	8	22	6	2	......	Edward E. Bailey.
Chambersburg	Franklin	580	39	70.4	+0.4	93	11†	40	1	37	1.76	−2.46	0.57	0	10	8	15	7	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	66.4	−0.9	91	21†	37	1	47	2.89	−1.72	1.17	0	8	8	16	6	nw.	John Hess.
Coatesville	Chester	380	51	69.0	−1.2	93	12	37	1	37	12.18	+7.98	3.35	0	14	6	8	16	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	66.0	−2.0	86	7†	38	1	33	5.03	+0.94	2.46	0	10	22	5	3	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	64.9	−1.0	90	25	36	1	47	5.19	+0.85	1.82	0	12	11	8	11	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	71.6	+2.2	95	12	42	1	39	6.72	+2.46	3.56	0	10	10	11	9	ne.	Ira J. Keath
Freeland	Luzerne	1,970	45	64.9	0.0	86	24	44	1	27	5.91	+0.95	2.38	0	14	7	1	22	w.	Andrew B. Evansha
George School	Bucks	190	32	69.7	+0.4	91	7	35	1	41	9.93	+6.26	3.94	0	12	19	6	5	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	71.8	+1.8	99	26	42	1	32	2.57	−1.82	1.00	0	10	17	5	8	n.	Dr Henry Stewart
Gordon	Schuylkill	840	34	65.2	+0.8	91	24	36	1	41	4.31	−0.12	2.00	0	8	15	11	4	s.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	58.9	−2.2	78	21†	33	1	32	5.91	+1.40	1.75	0	9	16	7	7	w.	Ronald H. Marshall,
Hamburg	Berks	535	45	69.5	−0.3	92	25	43	1	32	5.32	+0.86	1.75	0	11	14	10	6	w.	State Sanatorium.
Hanover	York	600	34	71.4	0.0	91	7†	44	1	31	3.58	−0.43	1.45	0	12	15	9	6	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	70.2	−0.1	91	24	47	1	28	2.92	−0.67	1.19	0	11	4	17	9	s.	U. S. Weather Bureau.
Hawley	Wayne	900	20	64.2	−1.9	92	21†	32	1	48	4.80	+0.95	1.58	0	10	20	7	3	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	71.8	−0.8	91	7†	47	1	27	6.85	+3.14	3.60	0	10	14	6	10	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	51	67.6	−0.9	91	24†	37	1	40	3.69	−0.43	0.99	0	9	11	10	9	w.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,694	7	63.8	......	87	24	42	1	34	3.98	.....	1.49	0	9	2	13	15	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	69.6	−0.4	93	7	38	1	40	6.89	+2.88	1.92	0	13	17	8	5	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	41	65.3	−0.7	91	25	38	1	45	4.59	+0.67	1.40	0	6	12	14	4	......	C. P. Darling.
Lebanon	Lebanon	469	54	69.6	−0.2	94	24	41	2	36	6.86	+2.51	2.81	0	10	16	9	5	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	68.4	−1.4	92	25	41	1	37	4.40	+0.14	1.48	0	12	10	17	3	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	12	74.5	−0.6	96	11	54	1	35	5.82	+2.02	......	0	7	22	4	4	sw.	Sun Oil Co.
Montrose	Susquehanna	1,620	33	64.2	+0.7	88	21	41	1	32	4.43	+0.31	1.68	0	9	10	7	13	sw.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	62.2	−0.5	84	24	37	1	33	5.95	+1.19	......	0	7	5	8	17	w.	Paul C. Hoskinson.
Muncy Valley	Sullivan	1,045	26	64.0	−1.3	88	21†	37	6	39	3.90	−0.46	1.13	0	9	20	8	2	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	......	......	94[p]	25	35	1	30[p]	10.27	+6.40	2.45	0	12	20	2	8	w.	Philadelphia Sub. Water Co
New Bloomfield	Perry	679	....	67.7	......	94	24	37	1	40	8.52	....	1.56	0	7	20	9	1	w.	J. Earl Sneaffer
Palmerton	Carbon	398	20	67.8	0.0	89	7	41	1	34	7.62	+3.91	2.51	0	16	17	8	5	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	71.3	−0.1	91	12	47	1	26	10.06	+6.82	4.59	0	10	6	11	13	sw.	U. S. Weather Bureau.
Phila. Navy Yard	Philadelphia	20	22	71.0	−1.0	92	7†	44	1	30	6.05	+2.05	2.36	0	10	4	10	16	sw.	Navy Aerological Office
Phœnixville	Chester	100	28	71.2	−0.4	92	7	38	1	39	11.51	+8.14	4.87	0	10	18	8	4	sw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	53	67.0	−1.4	89	7	34	1	40	8.01	+4.10	1.75	0	15	13	10	7	sw.	John E. Benner.
Reading	Berks	273	68	69.9	+0.1	90	7	47	1	28	5.54	+1.99	1.75	0	15	7	13	10	se.	U. S. Weather Bureau.
Retreat	Luzerne	900	5	64.4	......	89	24†	37	1	33	3.93	......	1.70	0	10	13	10	7	sw.	Theodore J. Sampson.
Scranton	Lackawanna	746	44	67.4	−0.4	90	24	42	1	36	4.64	+0.97	2.17	0	13	6	16	8	n.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	68.1	−0.9	92	24	41	1	34	2.58	−1.55	0.92	0	10	8	18	4	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	42	71.2	−1.1	90	24†	42	1	30	7.68	+4.26	3.61	0	10	9	12	9	s.	W. S. Guiles.
Shippensburg	Cumberland	660	5	69.6	......	94	24	39	1	34	2.00	....	0.86	0	6	8	17	5	sw.	State Teachers College
State College	Center	1,217	54	66.4	−0.3	89	25	42	1	36	4.16	+0.04	1.89	0	12	14	11	5	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	66.9	+0.1	89	7†	42	2	35	9.00	+4.68	2.95	0	10	17	6	7	w.	State Teachers College
Towanda	Bradford	754	44	65.9	+0.2	93	24	35	1	43	4.18	+0.36	1.78	0	11	9	13	8	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	63.8	−0.7	89	21†	37	1	43	6.87	+3.14	2.80	0	9	20	8	2	se.	George W. Hill.
West Chester	Chester	455	89	70.2	+0.6	92	12	40	1	31	9.33	+4.78	4.54	0	10	16	12	2	s.	Harlan Saylor.
Williamsport	Lycoming	521	52	67.7	−1.3	92	21	39	1	38	2.53	−1.83	0.67	0	9	15	7	8	nw.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	68.1	−0.1	93	25	42	1	33	5.16	+0.65	1.46	0	11	17	9	4	sw.	Susquehanna Collieries Co.
York	York	400	50	70.0	−0.2	92	12†	40	1	36	4.96	+1.21	3.20	0	11	18	10	2	s.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	62.5	−1.1	86	21†	33	1	46	6.04	+1.70	2.25	0	12	4	11	15	......	Frank S. Fawcett.
Butler	Butler	1,077	25	66.2	−1.6	90	24	38	1	48	5.40	+0.74	3.60	0	9	16	11	3	w.	William C. Faust.
Chambersville	Indiana	1,047	37	65.2	−2.5	87	21†	40	9†	39	5.07	+0.32	1.10	0	14	12	9	9	sw.	John E. Lewis.
Clairton	Allegheny	1,020	6	65.4	......	83	11†	46	9†	32	4.41	....	2.02	0	13	9	6	15	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	66.2	−3.1	84	10†	42	9†	37	7.38	+3.08	2.11	0	14	15	1	14	s.	J. L. Melvin.
Corry	Erie	1,430	25	64.0	−1.2	92	24	37	9	44	3.73	−1.08	1.04	0	7	20	7	3	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	64.4	......	88	20	37	29†	46	5.95	+1.68	1.98	0	9	18	9	3	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	41	67.6	−1.1	87	11†	45	14†	35	4.53	−0.41	1.08	0	13	8	17	5	w.	Ted R. Wineman.
Donora	Washington	762	12	69.0	−2.2	94	1	48	1†	46	3.43	+0.02	0.68	0	12	8	15	7	sw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	63.4	−1.5	85	24	42	1†	38	5.08	+0.24	2.00	0	14	14	12	4	sw.	D. H. Jones.
Franklin	Venango	957	64	64.0	−2.2	89	21†	39	1	40	3.69	−0.44	1.68	0	10	3	2	25	s.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	67.0	−1.5	86	24	47	1†	35	5.60	+1.21	1.40	0	15	8	16	6	sw.	Westmoreland Water Co
Greenville	Mercer	950	42	67.4	+0.5	92	21	40	1†	45	4.08	+0.17	1.48	0	13	12	8	10	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	66.6	+0.4	90	21	45	1†	34	4.17	+0.10	1.50	0	11	14	8	8	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	66.9	−1.7	87	2	42	1	40	6.01	+1.62	2.03	0	12	18	10	2	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	67.2	−2.2	90	24	40	1	42	3.24	−1.96	0.57	0	15	13	11	6	w.	Robert Tross.
Kane (near)‡‡	Elk	2,020	6	62.7	......	86	24†	38	9	39	6.72	....	1.63	0	12	13	6	11	w	U. S. Forest Service.
Lycippus‡‡	Westmoreland	1,420	46	66.2	−2.1	82	1†	47	14	26	6.64	+1.76	1.10	0	15	7	10	13	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	64.3	−1.3	90	24	42	7	34	4.50	+0.44	1.61	0	14	7	12	11	s.	Paul F. Coy
Midland	Beaver	691	1	67.4	......	89	24	45	1	39	4.36	....	1.37	0	12	7	14	9	nw.	Perry P. Campbell
Mt. Lebanon	Allegheny	1,180	12	66.6	−1.5	86	24	46	14	30	5.18	+1.14	1.41	0	12	9	15	6	s.	R. H. Howell
New Castle	Lawrence	808	58	66.8	−2.0	93	24	42	1	39	5.18	+0.89	2.61	0	10	14	11	5	w.	New Castle Water Co.
Newell	Fayette	800	18	66.2	−3.5	88	20	43	1	39	5.09	+1.24	1.00	0	11	15	10	5	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	67.6	−3.1	87	24	51	1	31	3.99	+0.18	0.95	0	11	4	9	17	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	62.6	−1.5	88	22†	34	1	40	5.03	+0.65	2.41	0	12	13	9	8	s.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	62.6	−1.3	82	25	40	1	33	3.90	−1.29	0.58	0	12	3	17	10	w.	J. D. Beachy.
Sharon‡‡	Mercer	940	25	67.1	−1.7	94	24	43	9	37	3.72	+0.04	1.80	0	11	11	14	5	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	71	60.2	−5.0	80	24†	33	1	37	5.31	−0.33	1.35	0	15	3	13	14	sw.	D. L. Grove.
Uniontown	Fayette	1,100	50	68.4	−1.7	87	25	46	14†	37	5.80	+1.08	1.21	0	16	10	12	8	sw.	Wm. W. Marsteller.
Unity Reservoir	Westmoreland	1,240	29	66.1	......	88	21	41	1	42	6.44	+2.10	1.23	0	14	0	16	14	nw.	Westmoreland Water Co.
Vandergrift	Westmoreland	825	24	67.9	−1.5	91	21	40	10	43	5.31	+1.07	0.90	0	12	11	12	7	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	65.2	0.0	93	21	39	9	38	4.96	+0.49	1.78	0	12	8	13	9	w.	Harold L. Johnson
Waynesburg	Greene	1,035	7	67.6	......	86	10†	44	1	38	5.07	....	1.15	0	11	2	19	9	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	66.8	+0.6	87	24	52	1	28	3.38	+0.04	1.64	0	13	11	12	7	nw.	U. S. Weather Bureau.
For the State			51	67.1	−1.0	99	26	32	1	48	5.14	+1.02	4.94	0	11	12	10	8	sw.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (near), Wilcox.

W. B. O. Philadelphia-7-28-38-1050.

Daily Precipitation for June, 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Atlantic Drainage.																																	
Allentown‖	Lehigh			.18	.02	T.	.06		.84			.13	.14	.62	.12	.02		T.	3.63	T.				.18	.80		.28	2.70	1.28	.06			10.51
Altoona	Juniata		.28	.08		T.		.15	.12		.14	.12	.89	.09													.82	.78					2.97
Ansonia‖	W. Br. Susq			T.	.31		.43		.47			.07	.13	.77	.52										.57		1.50	2.08	.18				7.08
Ardmore‡	Lower Del			.03	.03	T.			2.42	T.		1.81	.85					T.					.15	.86			2.92	.88	.07				9.52
Arendtsville‖	Lower Susq		.39			T.		.22	.29			.02	.23						.04							.44		1.04					2.67
Baker's Summit	Juniata		.65	.08		.01	.01	.07	.09		.02	.11	.68	.07										.12		1.01	1.17	.34	.02				4.45
Bald Eagle‡	Middle Susq		.45			.12		.28				.41	.24												.40		.51	.52					2.93
Bedford	Juniata		.69	.06		.17	.15	.07	.17		T.	.22	.14	.26			T.	T.					T.	.20	.85	.12	T.	.90					4.00
Bellefonte	W. Br. Susq		.64	.01		.05		.02				.11	.27	.37					T.					T.	T.	.14	1.02	1.22					3.85
Berwindale‡	W. Br. Susq		.39			.17		.60			.19	.94	.64										.12			.15	.76	.88					4.84
Bethlehem	Lehigh			.21	T.		.04		.52			.35	.16	.86	.15				3.93				.12	1.25			1.92		.47				9.98
Big Knob‖	Middle Susq			.44		.01			.05			.04	.26	.23	.02												.14	1.43	.14				2.76
Blosserville‡	Lower Susq		.30			.30		T.			.30	.75							T.							.50	.10	.85	.10				2.70
Buffalo Mills‖	Potomac			.64		.09	.29		.19			.10	.19	.07				.12						.06		.81	.20		.19				2.45
Carlisle	Lower Susq		T		T	.14			T.			.45	.23	.05					.03				.02			T.	.80	.87	T.				2.59
Carter Camp‡	W. Br. Susq		.35			.33		.57				.19	.60	.45										.09	.23	1.91	.90						5.62
Center Hall	Susquehanna			.02	.97			.10			.38	.45	.42														.89	1.62					4.85
Chambersburg	Potomac		.02	.35		T.	.04		.13				.03						.03				.02	.04			.53	.57					1.76
Clearfield	W. Br. Susq		.26					.45			.10	.17	.34													.10	.30	1.17	T.				2.89
Coatesville	Lower Del				.06	.08		2.00	1.02			.03	1.13	.07					.01				.03	2.16	.20		3.35	1.98	.11				12.18
Colebrook	Lower Susq		.02	.12		.24		.05	.24			.01	1.46	T.					.03					T.			.40	2.46	T.				5.03
Conshohocken	Schuylkill				.02				1.39				3.02	1.10									.08	.16			.02	4.59	.81				10.69
Doylestown	Lower Del			.05	.09	.05			2.88			.02	.86	.05	.05				.01				.41	.21			.04	1.82	.88	.01			7.43
Driftwood‡	W. Br. Susq		.40			.10		.85			.14	.27	.25										.20	.15		.10	.90	1.00					4.36
Du Bois	W. B. Susq		.08	.05		.18		.62			.02	.20	.63	.02	T.		T.	T.					.95	.08		.12	.43	2.00					5.38
Emporium	W. Br. Susq		.30	.02		.12		.73			.23	.73	.06					T.					.44	.06		.10	.58	1.82					5.19
English Center‡	W. Br. Susq		.16			.13		.25					.42	.19										.16		.24	.57	.99					3.11
Ephrata	Lower Susq				.05	.04			.80			T.	3.56	.08					.01				T.	.43			.28	1.43	.04	T.			6.72
Forest City‖	N. Br. Susq			.19				.16				.13															.26	.70					1.44
Fredericksville	Schuylkill			.10	.03	.04		.17	.36			.06	1.49	.15	.04				.03				.12	.15	.30		1.30	1.46	.24	.01			6.05
Freeland‖	Lehigh			.37			.09		.20				.17	.22	.22				.23	.07				.04	.03		.78	1.03	2.88	.08			5.91
Galeton	N. Br. Susq		.30	.02		.09	T.	.63				.06	.88	.16										T.			1.70	1.49					5.33
George School	Lower Del			.17	.08	.06			2.79			.02	.44	1.35	.34								.30	.01			T.	3.94	.43				9.93
Gettysburg	Potomac		T	.15		.01	T.	.19	.39			.01	.51	.01					.04				T				1.00	.26					2.57
Girardville‖	Lower Susq		.68			T.		.02	.23			.03	.26	.04					.02				.06			.83	1.07	1.22	.01				4.47
Gordon	Lower Susq							.02	.24				.35	.02					.02								2.00	1.65	.01				4.31
Gouldsboro‖	Lehigh			.06			T.		1.09					1.03	.11				.07								.20	1.75	1.49	.11			5.91
Graterford	Schuylkill			.16		.17			.42			.11	.43	.76									.14	.83		.15	.31	.96	.34				4.78
Hamburg	Schuylkill			.53		.01	.01		.55				.30	.05					1.23					.05			.64	1.75	.20				5.32
Hanover	Lower Susq			.08		.01		.06	.55			.01	.71	T.				.01	.03				T.	T.	.05		.60	1.45	.02				3.58
Harrisburg***	Lower Susq		.14	T.	T.	.50		.06	.15		T.	.42	.77	T.				.01	.02				T.	T.		.19	.18	.48	T.				2.92
Hawley‖	Upper Del			.20					.40			.08	.14	.14					.05						T.		.76	1.58	1.36	.09			4.80
Hollisterville‖	Upper Del			.27			.14	T	.77		.02	.44	.17						.01	.02			T	T.			.52	1.03	1.64	.01			5.04
Holtwood‖	Lower Susq			.01	.08		.05		.87				T.	.66				T.					.09	.35	T.			3.60	.52	.12			6.35
Huntingdon	Juniata		.99		T.	.04		.17				.23	.27	.04												.56	.63	.76					3.69
Huntsdale‡	Lower Susq		.13					.11		.12	.05		.14													.13	.41	.48					§
Hyndman‖	Potomac			.56		.09		.12	.22			.16		.14	.05			.12					T.				.18	T	.22				1.86
Kylertown	W. B. Susq		.12		T.	.11		.36			T.	.09	1.25	.02				T.	T.					T.	T.	T.	.53	1.49	.01				3.98
Lakeville‖	Upper Del			.18	T.				.56			.02	.25	.22											.10		.35	1.76	1.46	.20			5.10
Lancaster	Lower Susq			.05	.03				1.37			.02	1.73	.17					.02				.02	.15			1.18	1.92	.26	.02			6.89
Lansford‖	Lehigh			.39			T.		.47			.05	.26	.16	.43				.01					.13	.04		.25	2.75	2.07	.01			7.02
Lawrenceville	N. Br. Susq			.62		.15		.42			T.		.80											T.		T.	1.20	1.40					4.59
Lebanon	Lower Susq		.23		T.	.27		.59			T.	1.22	1.06	.01				.04	T.				T.			.68	.45	2.31	T.				6.86
Lehighton‖	Lehigh			.43			.26		.51			.14	.28	.55	.34				T.				T.		.14			2.30	1.32	.03			6.30
Lock Haven	W. Br. Susq		.01	.66		.17		.13				.04	.66	.11										.63	.01	.02	.48	1.48					4.40
Marcus Hook	Lower Del					T.			.79				*	.05	T.								.07	.05				*	4.86				5.82
Matamoras‖	Upper Del			.35					.36				.17	.71					.08						.69			1.51	1.48	.10			5.45
Mauch Chunk	Lehigh			.35		T.			.54			.12	.93	.17					.03	T.				.52		T.	2.51	2.21	.21				7.59
Millersburg‡	Lower Susq		.15			.05		.13	.13			.34	.88											.07		.45	1.62	.47					4.29
Millville‡	N. Br. Susq		.34	.01				.11	.05			.20	.16	.12				.05									.60	.89	.25				2.78
Montrose	N. Br. Susq			.46			.02	.28				.28	1.04	.04													.57	1.68	.06				4.48
Morris Run	N. Br. Susq			.21		.19		.25				.02	.48	T.					.04				.35	.11		.10	.65	1.79	.03				4.22
Mount Pocono	Upper Del			1.00		.10			.36			.16	.08															*	4.25				5.95
Mt. Union‡	Middle Susq		.62					.17				.53	.32													.36	1.32	.46					3.78
Muncy Valley	W. Br. Susq			.68		.22					.48	.26	.41	.21									T.	.15	T.		.36	1.13					3.90
Neshaminy Falls‖	Lower Del			T.	.13			1.37	.82			.05	1.77	01	.05				T.				1.17	.03			2.10	2.45	.32				10.27
New Bloomfield	Juniata			.20		.09		.02					1.06														1.56	.55	.04				3.52
New Park	Lower Susq				.02	.06			1.00			.07	.50										.05		T.			2.82	.06				4.58
Newport‖	Juniata			.20			.18		.15				.08	.80	.13									T.	.20		.32	.85	.25				3.16
Orwigsburg	Schuylkill		.32	.32		T.		T.	.31			.17	.87	T.					.31				T.	T.		.61	1.27	2.38	T.				6.56
Palmerton‡	Lehigh		.56	.03	T.	.13		.32	.38			.18	.27	.10	.01			.02	.05				T.	.64		.06	2.51	2.01	.35				7.62
Paupack‖	Upper Del			.23			.07		.50				.23	.05					.08	.08					.05		.66	1.10	.26	.18			3.49
Philadelphia***	Lower Del		T.	T.	.04	T.		1.28	.05			1.65	1.92						T.				.13	.17			1.35	3.27	.20				10.06
Phila. Navy Yard‡	Lower Del			T	.04	T.		.60	T.			.80	.13		.01		T.		T.				.10	.38			1.50	2.36	.13				6.05
Phila-P'nt Breeze‡	Lower Del		T.	T.	.05	T.		.86	.10			1.37	2.17		T.								.20	.68			1.40	3.58	.18				10.59
Phoenixville	Schuylkill		T	.02	.02				4.37			T.	.93	.86	T.				T				.26	.42				3.80	.80	.03			11.51
Pine Grove	Lower Susq		.30			.15		.12	.08			.50	.85	.05				.28								1.50	2.00	.82	.03				6.68
Pleasant Mt.	Upper Del			.25				.11				.43	1.30	.10														2.49					4.68
Pottstown	Schuylkill																																......
Pottsville	Schuylkill			.43		.05			.43			.10	.65	.60					.03				.01			.08	1.42	2.58	T.				6.38
Quakertown	Lower Del			.34	.02	.05			.80			.23	1.25	.57	.12						.03		1.18	1.75		.01	.30	.99	.37				8.01
Reading***	Schuylkill		.01	.03	.04	.07		.40	.05			.54	.96	.06	T.				.07			T.	T.	.83		.27	1.18	1.02	.01				5.54
Renovo‖	W. Br. Susq			.18			.12		.30			.06	.16	.19	.32										.22	.16	.10	1.32	.12				3.25
Retreat	N. Br. Susq		.05			T.		.55				.13	.40	.04				.43	.01								.54	1.70	.08				3.93
Scranton***	N. Br. Susq		.12	.12	T.	.05	T.	.15	.14		T.	.13	.60	T.			.03	T.	.02	T.			T	T.		.70	.68	1.83	.07				4.64
Selinsgrove	Lower Susq			.07		.01		.04				.08	.40	.13												.20	.70	.92	.03				2.58
Sellersville‡	Lower Del		.08	.08		.22		1.03	.06			.70	1.25	.06	.03								.48	.93			.85	.50					6.27
Shade Gap‡	Middle Susq		.42					.10			.06		.36	.20												.08	.18	.07					1.47
Shawmont	Schuylkill			.05	.07				2.47			.10	1.20										.06	.07				3.61	.04	.01			7.68

Continued on page 33.

Daily Precipitation for June, 1938—Continued from page 32

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq			.26		T.	T.		.10				.05	.05									T.		T.		.68	.86					2.00
State College	W. Br. Susq		.63	.02	T.	.04		.09	.05			.89	.23	.02				T.	T.					.02		.39	.39	1.39					4.16
Stroudsburg‖‖	Upper Del			.35		.05			.70			.30	.10						.05					1.55	.05			2.90	2.95				9.00
Sunbury‖‖	Lower Susq			.90		T.	.04		.05			.02	.14	.15	.02				T.						.02		.57	.62	1.04	T.			3.57
Susquehanna‖‖	N. Br. Susq			.33					1.01			.03	.36	1.12													.30	1.27	.39				4.81
Towanda	N. Br. Susq		.10	.18		.08	T	T.			T.	.07	.81	.07						.01			.05	.01		T.	1.07	1.73					4.18
Weikert	Lower Susq		.70			.15						.25	.20														.68	1.42					3.40
Wellsboro	N. Br. Susq		.06		T.	.17		.52			T.	.03	.42	.12										T.		2.30	1.50	1.75					6.87
Wernersville[near]	Schuylkill		.09		.09	.16		.61				.71	.70	.07			.05										1.01	.46	.06				4.01
West Chester	Lower Del		T.		.13	.04			2.55				1.35	.02	.02								.09	.51				4.54	.08				9.33
Westgrove‖‖	Lower Del						.21		2.43				.03	.74									.03	.15	.25			1.60	1.06				6.50
Wilkes-Barre‖‖	N. Br. Susq			.97			.07		.28			T.	.32	.85	T.			.02	.12	.08							.65	1.35	1.65	.02			6.38
Williamsport‖‖	W. Br. Susq			.46			.11		.02			T.	.42	.01	T.										.14		.12	.67	.58				2.53
Williamstown	Lower Susq			.23		.08	.02		.35			.02	1.46	T.	.06				.05					T.			1.87	1.40	.12				5.16
York	Lower Susq			.05		.02		.20	.39			.02	.38						.05				T.		.12		.51	3.20	.02				4.96
York Haven‖‖	Lower Susq			.11			T.		.33				.12	.32					.04								.42	.84	.82				3.00
Zionsville..(near)	Schuylkill			.12					.43			.08	1.38	.14	.02				.12				.45	.75			1.85	2.15	.31				7.80
Trenton, N. J***	Lower Del		T.	.01	.03	.04		1.43	.27			.40	1.06	.14	.11		T.		T.				.20	.09			2.19	2.75	.27				8.99
Ohio Drainage																																	
Beaver Falls‖‖	Beaver			.13		.31	.03		.22			.15	.37	.34			.04	.27	T.								.13	.96					2.95
Blairsville	Allegheny			.46		.12	T		.28			.78	.19	.19	.01			.07	T.	T.				.40	.06		1.26	1.83	.07				5.72
Bradford	Allegheny		.53			.19		.18			.32	.01	.39	.01									.45	.43		.89	1.56	.78					5.74
Brookville‖‖	Allegheny			.25		.05	.06		.58			.94	.46	.16				T.						.18	.05		1.04	2.25	.02				6.04
Buckstown‡	Allegheny		.25		.02	.88		.44			.05	.22	.51	.10		.09											.23	.19					2.98
Butler	Ohio		.15			.08		.36			.13	.45	.40				.11									.12		3.60					5.40
Chambersville	Allegheny		.46			.12	.02	.55	.03		.27	.34	.49				.03						.87	.13		.12	.54	1.10					5.07
Clairton‡	Monongahela		.04		.06	.13		.02			2 02	.20	.59	.01			.58						.13			.40	.20	.03					4.41
Clarion	Allegheny			.26		.05	.19		.37			.67	.46	.26	.01									.21		.26	1.34	2.01					6.09
Claysville	Ohio		.11		T.	.14		T.	.01		.17	.53	2.11				.94	T.	.01				.05	.45	.73	.21	1.05	.87					7.38
Confluence‖‖	Youghiogheny			.33		.30			.26			.42	.50	.36				.80		.10							.08	.05	.14				3.34
Connellsville	Monongahela			.28		.13			.81			1.28	.93	.26	T.		.06	.28	T.	.86				T.			.44	.76	.13				6.22
Corry	Allegheny		.43			.15		.18					1.02													1.04	.41				.50		3.73
Coudersport	Allegheny		.42			.20	.38	.10			T.		.95	.12									.03	.02			1.98	1.75					5.95
Derry	Conemaugh		.50	.03		.12		.33	.38		.06	.62	1.08	T.			.23						.11	T.		.14	.27	.66					4.53
Donora‖‖	Monongahela		.03		.01	.13		.36			.37	.45	.44	T.			.61	T.					.03			.21	.68	.11					3.43
Dunlo‡	Allegheny		.20					.51			.12	.11	.59	.13									.15		.06	.11	.70	.57	.01				3.26
Ebensburg	Conemaugh		.44	.18		.06	.06	T.	.17		.05	.32	.56	.03									.22			.06	2.00	.85	.08				5.08
Franklin‖‖	Allegheny			.25		.11	.05		.18			.07	.43	.14				.16						T.			.62	1.68					3.69
Greensboro‖‖	Monongahela			.29		.17	.05		.37			.52	.98	.55			.22	.73	T.				.01	.03	.44		.09	1.04	.07				5.56
Greensburg	Youghiogheny		.27		T	.09		.39	.05		1.40	1.03	.51				.18	T.	.01				.24	.64		.06	.29	.43	.01				5.60
Greenville	Beaver		.47		.05	.01		.09			.06		.43	.01			.11	.01						.31		.10	1.48	.95					4.08
Grove City	Beaver		.22		.07	T.		.15				.04	1.42	.01			.12	.10								.09	1.50	.45					4.17
Irwin	Monongahela		.13		T.	.11		T.	.08		.18	2.03	1.12	.04			.27							.79		.21	.35	.73					6.01
Johnstown	Conemaugh		.28		T.	.13		.53	.06		.09	.21	.31	.09			.03						.31	.02		.03	.56	.57	.02				3.24
Kane (near) ‡‡	Allegheny		.37	T.		.32		.11			.78	.25	.86					T.	.02				.65	.10		.10	1.53	1.63					6.72
Kregar‖‖	Youghiogheny		.43		T.	.24		.63			.50	.70	.78				.19		.02				T.			.25	.52	.64					4.90
Lake Lynn‖‖	Monongahela			.42		.22	.08		.28			1.30	.55	.57			.06	1.22		.38					.18		.27	.64	.05				6.22
Linesville‖‖	Beaver		.49	T.	.13		T.	.15			.03	.94	.28	T.	T.	.09	.06	T.						T.		.89	.71		T.	T.	.08		3.85
Lock No. 2‖‖	Ohio			.11		.30			.49			.46	1.45	.19			.24	.14									.63	1.70					5.71
Lock No. 4‖‖	Monongahela			.36		.26			.69			.67	.77	.37	.02		.32	.70	T.	.16						.15	.51		.02				5.00
Lock No. 5‡‡‖‖	Allegheny			.40		.18	.25		.32			.35	1.08	.10			T.	.23						.93			.78	2.08	T.				6.70
Lycippus	Conemaugh		.45	.05		.45	.02	.73	.90		.38	1.00	1.10				.24	T.	.22	T.			T.	.30		.12	.10	.58					6.64
Marienville‡	Allegheny	.02	.39			.08		.23			.83	.27	.77										.34			.25	1.82	.21					5.21
McKeesport‖‖	Monongahela			.41		.07			T.			.89	.72	.10	T		.13	.30	T.	.03				.09			.73	1.01	T.				4.48
Meadville	Allegheny		.05	.64		.06			.13			.02	.40	.13	.01		.05	.06	.15					T.	T.	.09	1.61	1.10					4.50
Mercer‡	Ohio	.03	.58	.03	.23			.18			.07	.99	.34				.28	.02								.51	1.25						4.51
Midland	Ohio		.52			.12		.26			.05	.14	.86				.57	.01							.02	.01	.43	1.37					4.36
Mosgrove‖‖	Allegheny			.38		.02			.55			.92	.46	.58	T.			T	T.					.50			1.03	1.70	.17				6.31
Mount Lebanon	Ohio		.26		.06	.12		.13			.26	.66	1.17				.23	.01					T.			.52	1.41	.35					5.18
Natrona‖‖	Allegheny			.36		.09	T.		.22			.45	1.11	.22				.18	T.					.92			.39	1.84	T.				5.78
New Castle‖‖	Beaver		.14	T.	.10	.26	T.	.14	T.		.06		.75				.17									.11	2.61	.84	T.				5.18
Newell	Monongahela		.25		.14			.50			.38	.99	.20			1.00	.10			.65						.46	.42						5.09
Parkers Landing‖‖	Allegheny			.21		.28	.21		.35			.25	.40	.18			T.	T						T.		.22	.44	1.88					4.42
Pennline‖‖‡‡	Beaver		.12	.75	.14			.31				.03		.93	.11		.18	.33	T.								.76	.62					4.28
Pittsburgh***	Ohio		.33		.08	.03		T.			.82	.91	.06	T			.36	T.					T.	.01		.38	.81	.20					3.99
Punxsutawney‖‖	Allegheny			.24			.20		.73			.33	.38											.51			.42	1.80	T.				4.01
Ridgway	Allegheny			.14		.08	.11		.45			.38	.31	.46										.17	.04		.46	2.41	.02				5.03
Rochester‡	Ohio	.05	.46		.43	.01		.23			.18	.42	.17				.36									.29	.95	.36					3.91
Salisbury (near)	Youghiogheny		.46			.24		.62			.36	.05	.58				.56						.57			.24	.01	.19	.02				3.90
Saltsburg‖‖	Conemaugh			.30		.22	03		.14			1.09	.33	.34				.25	.01					.49	T.		.31	.81	.08				4.40
Sharon‖‖	Beaver		.04	.27			.08		.07			.09	.47	.16			.21	.30									.73	1.30					3.72
Sharpsville‖‖	Monongahela		.02	.30		.06			.11			.07	.35	.05			.28	.22									.60	1.38	.01				3.45
Smethport‖‖	Allegheny			.53		.05		.08				.45												.05		T.	1.20	1.75					4.11
Somerset	Youghiogheny		.21	.14		.45	.17	.10	.31		.03	.53	.98				.23	T.	.09	.46			T.			T.	1.35	.23	.03				5.31
Springdale‖‖‡‡	Allegheny		.15	.17		.13			.27			.46	.72					.24						.22			.58	1.46					4.40
Titusville‡	Allegheny		.41			.16	.19			.12		.19	.50												.10	.60	1.73	.02					4.02
Union City‡	Allegheny		.43		.07			.41				.13	.65	.05											.10	.42	.97						3.23
Uniontown	Monongahela		.36	.02	T.	.27		.54	.09		.19	1.21	1.20	T.			.74	.01	T.	.10			.01	.01		.10	.50	.45					5.80
Unity Reservoir‡‡	Youghiogheny		.38		T.	.15		.66	.09		1.23	1.11	1.03				.16	T.					.35	.28		.25	.29	.45	.01				6.44
Vandergrift‡	Conemaugh		.51		.13	.11		.25			.90	.46	.28				.20						.16			.60	.87	.84					5.31
Warren	Allegheny			.49		.08	.16	.02	.19			.10	.33	.27	T.			T.						.39		.06	1.78	1.09	T.				4.96
Waynesburg	Monongahela		.20			.25		.18			.58	.54	1.15				1.08								.54	.04	.11	.40					5.07
Westford‖‖	Beaver		.05	.42	.02			.08			.12	.42	.10			.22	1.00	.10							.82	1.58	.90						5.83
West Newton‖‖	Youghiogheny			.31		.13	.67		.62			1.11	.62	.32			.05	.50		T.				.03			.20	.53	.09				5.18
Lake Drainage.																																	
Erie***	Lake Erie		.49		.26	.02	.10	.07			.01	.02	1.62	.10			.01		.11							.04	.53				T.		3.38
Raymond‡	Genesee		.80		.07	.25		.33				.01	.91	.85											.07	.24	2.09	.67					6.29

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Kane, Wilcox; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

Daily Temperatures for June, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	74	70	74	77	67	81	84	72	75	70	86	84	68	75	78	71	77	85	78	79	86	84	83	88	88	78	61	78	76	74	....	77.2
	Minimum	39	46	54	47	47	48	55	51	44	49	64	62	50	46	50	52	55	54	52	49	50	62	60	62	63	61	56	55	41	47	....	52.4
Bedford	Maximum	78	75	76	81	79	84	88	76	80	80	90	85	67	78	82	82	81	83	83	78	87	87	87	90	89	88	75	74	78	80	....	81.4
	Minimum	38	47	53	48	55	41	54	51	44	43	55	54	52	43	48	56	58	57	54	53	54	64	61	57	61	67	59	57	44	46	....	52.6
Bethlehem	Maximum	76	78	79	79	76	82	93	90	81	79	88	90	83	81	78	80	76	81	84	84	87	87	80	92	92	89	65	62	79	80	....	81.7
	Minimum	43	52	61	59	60	53	64	58	54	55	64	68	56	56	55	54	58	63	65	57	64	66	66	64	69	65	58	56	54	54	....	59.0
Brookville	Maximum	79	72	74	73	71	77	81	73	74	77	84	79	67	77	79	72	76	79	72	80	86	86	80	86	83	65	64	72	73	76	....	76.2
	Minimum	33	47	50	38	47	36	52	46	47	45	55	63	45	38	42	46	53	50	52	44	48	58	60	53	59	64	52	52	38	52	....	48.8
Butler	Maximum	86	86	77	81	77	79	79	75	80	76	84	84	81	78	83	75	77	79	83	85	89	85	86	90	82	78	75	75	77	79	....	80.7
	Minimum	38	61	49	42	45	49	45	47	48	55	68	49	46	42	46	55	61	58	48	49	55	61	62	68	65	53	55	49	43	46	....	51.6
Carlisle	Maximum	80	80	80	82	80	88	92	88	81	81	95	93	78	82	86	84	86	90	89	85	90	90	92	95	95	92	67	70	81	84	....	85.2
	Minimum	39	47	58	58	56	49	49	59	49	57	65	67	57	50	50	50	59	65	62	58	60	68	68	68	67	67	60	58	51	49	....	57.3
Chambersburg	Maximum	75	78	78	81	78	82	91	80	81	78	93	92	78	82	87	76	83	86	83	81	90	89	88	93	93	89	70	74	81	82	....	83.1
	Minimum	40	46	56	58	61	49	58	57	49	54	69	69	54	49	50	57	63	63	62	60	61	66	62	61	66	69	61	58	49	51	....	57.6
Chambersville	Maximum	81	72	75	78	75	81	83	75	78	79	85	82	70	79	82	78	78	81	78	79	87	87	86	86	87	76	64	72	76	78	....	78.9
	Minimum	43	56	52	44	51	43	60	48	40	50	65	60	46	40	45	54	56	48	50	46	53	60	59	58	64	61	53	54	43	45	....	51.6
Claysville	Maximum	81	78	76	77	74	80	80	74	78	84	84	81	72	76	81	80	75	79	79	78	84	83	83	84	83	81	68	72	75	78	....	78.6
	Minimum	41	59	56	46	53	45	64	48	42	57	65	62	47	42	45	56	56	54	51	50	55	59	59	63	68	67	53	55	43	47	....	53.7
Clearfield	Maximum	84	75	79	82	81	82	85	77	78	86	74	88	70	82	84	83	80	82	82	85	91	90	88	91	91	82	61	71	80	78	....	81.4
	Minimum	37	46	52	45	47	49	51	49	41	46	64	53	48	43	47	51	46	51	52	53	48	53	61	56	63	59	52	53	43	46	....	50.4
Coatesville	Maximum	74	81	77	76	80	83	92	79	81	83	91	93	77	80	78	79	81	86	70	83	88	78	84	91	89	91	66	64	63	64	....	80.1
	Minimum	37	48	62	59	57	52	60	59	54	53	63	66	55	54	53	53	58	65	67	60	61	63	68	62	67	64	57	56	53	52	....	57.9
Corry	Maximum	83	75	78	78	80	79	76	79	81	75	85	82	72	81	84	78	75	75	75	84	83	90	90	92	86	70	73	76	79	71	....	79.5
	Minimum	42	40	43	42	42	43	55	40	37	62	64	45	51	40	44	54	59	54	49	47	48	49	58	57	50	47	48	41	43	59	....	48.4
Coudersport	Maximum	82	78	74	78	70	80	73	78	77	77	83	79	69	83	84	76	75	78	72	88	85	85	86	87	85	74	60	71	74	76	.. .	77.9
	Minimum	46	50	54	48	49	56	44	46	50	48	62	56	47	39	38	47	53	52	47	44	57	58	54	70	68	59	55	60	37	37	....	51.0
Donora*	Maximum	94	74	78	78	68	82	84	76	79	84	89	85	72	83	88	70	79	83	81	73	89	79	87	88	86	83	64	75	80	80	....	80.4
	Minimum	48	62	57	54	56	53	55	54	51	61	69	58	50	48	53	58	62	60	58	57	53	66	66	67	69	64	58	59	50	54	....	57.7
Ebensburg	Maximum	67	69	72	70	70	83	78	76	74	75	78	74	69	79	76	77	73	75	73	74	81	80	81	85	82	75	62	68	75	74	....	74.8
	Minimum	42	52	52	50	53	45	52	50	42	57	64	61	48	43	48	54	54	52	52	50	55	60	59	58	52	62	55	52	44	46	....	52.1
Emporium	Maximum	83	78	75	80	71	79	82	78	82	81	87	79	72	78	82	78	76	81	77	84	88	88	86	88	90	71	64	74	76	79	....	79.6
	Minimum	36	45	52	42	52	43	55	41	42	52	62	48	43	46	49	51	53	55	51	49	52	59	61	60	64	58	53	46	41	45	....	50.2
Ephrata	Maximum	81	81	78	83	79	85	94	91	81	82	94	95	80	84	84	83	81	90	86	87	94	85	78	94	92	90	76	65	82	85	....	84.7
	Minimum	42	47	60	58	56	47	62	60	52	53	66	66	56	53	53	56	59	66	66	60	62	66	70	64	66	71	59	57	52	50	....	58.5
Erie*	Maximum	80	69	74	75	68	81	73	69	73	74	83	69	68	73	84	78	71	68	69	78	80	80	86	87	85	63	66	71	71	78	....	74.8
	Minimum	52	58	54	55	54	57	57	54	53	60	69	55	56	56	59	65	64	58	59	59	64	65	67	69	63	54	56	57	56	56	....	58.7
Franklin‡	Maximum	79	72	76	76	72	79	77	74	78	74	87	77	72	81	82	71	76	77	73	85	89	88	85	89	81	62	69	72	76	74	....	77.6
	Minimum	39	44	49	41	48	44	47	45	41	44	56	65	47	42	44	47	56	57	55	52	54	56	61	58	60	60	51	55	45	46	....	50.4
Freeland	Maximum	71	72	69	70	70	72	82	72	74	73	82	81	70	75	75	73	69	79	78	79	85	79	76	86	83	77	59	60	70	73	....	74.5
	Minimum	44	47	53	56	54	50	59	53	51	54	58	66	49	48	55	53	56	63	56	53	61	63	65	63	62	59	53	52	50	52	....	55.2
George School	Maximum	76	79	79	75	79	82	91	89	80	80	88	90	76	78	76	76	77	84	84	83	87	79	82	90	88	88	67	61	79	79	....	80.7
	Minimum	35	51	63	60	59	50	60	59	54	55	63	66	55	57	55	54	57	64	66	60	62	65	68	62	68	66	60	57	54	55	....	58.7
Gettysburg	Maximum	74	77	76	81	80	83	90	89	80	80	91	92	77	81	84	79	80	85	83	83	92	85	86	90	91	99	86	68	80	80	....	83.4
	Minimum	42	51	58	58	61	51	63	59	53	54	69	69	56	54	52	54	61	64	64	76	81	63	59	68	66	68	62	58	54	58	....	60.2
Gordon	Maximum	75	74	75	75	73	77	86	77	78	75	89	87	73	78	79	76	75	84	82	82	86	82	79	91	88	82	64	64	75	78	....	78.6
	Minimum	36	40	54	49	49	41	54	54	42	42	62	63	54	44	43	52	55	62	56	48	54	61	63	50	62	62	57	56	46	42	....	51.8
Greensburg	Maximum	82	78	75	75	74	79	82	74	72	78	82	81	69	75	81	80	75	81	79	76	83	80	80	86	83	80	67	70	76	75	....	77.6
	Minimum	47	61	57	49	56	50	62	55	48	57	65	63	49	47	51	57	57	57	55	53	59	64	62	62	67	67	56	57	47	51	....	56.3
Greenville	Maximum	85	84	81	81	75	84	82	77	81	79	90	87	78	82	88	80	78	78	77	90	92	90	90	91	90	83	69	78	80	80	....	82.7
	Minimum	40	60	45	47	46	46	58	42	40	55	61	57	48	43	46	56	60	58	52	54	52	57	58	60	66	58	52	52	45	46	....	52.0
Grove City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Hamburg	Maximum	75	77	78	75	77	80	89	82	81	79	89	90	77	78	80	72	76	85	83	83	90	82	80	90	92	90	68	60	76	82	....	80.5
	Minimum	43	49	59	55	56	59	58	58	52	52	64	66	56	54	54	55	60	65	66	58	62	64	66	66	68	66	56	57	58	54	....	58.5
Harrisburg*	Maximum	72	76	77	76	75	80	88	79	78	78	90	88	72	79	80	75	79	84	84	80	87	82	87	91	90	85	64	68	79	78	....	80.0
	Minimum	47	51	61	59	56	52	64	63	57	59	66	64	58	58	56	58	62	66	66	61	65	68	68	66	70	64	60	58	59	54	....	60.5
Hawley	Maximum	80	78	74	72	72	76	88	78	78	78	85	85	75	78	80	76	76	85	76	85	92	82	86	92	90	79	61	61	77	79	....	79.1
	Minimum	32	35	54	45	44	38	50	51	41	40	58	61	52	45	43	48	50	55	53	46	51	57	61	57	59	59	54	53	45	40	....	49.2
Holtwood*	Maximum	73	77	75	77	76	82	91	81	80	79	91	91	75	80	81	77	79	84	82	79	86	75	80	89	89	90	70	65	79	81	....	80.5
	Minimum	47	54	64	64	60	55	64	62	61	61	69	65	63	55	61	61	64	69	70	65	68	70	70	68	72	70	62	60	61	59	....	63.1
Huntingdon	Maximum	77	75	78	81	76	83	88	77	81	76	89	86	72	80	83	78	83	85	82	81	89	87	85	91	91	82	63	74	79	79	....	81.0
	Minimum	37	46	56	51	52	45	62	52	43	49	69	63	49	45	68	52	55	58	54	50	57	64	62	59	63	62	57	58	44	47	....	54.3
Johnstown	Maximum	82	76	78	80	76	84	85	76	79	79	88	82	72	81	83	76	79	83	80	84	88	84	85	90	89	76	66	77	79	80	....	80.6
	Minimum	40	51	55	47	53	46	53	53	43	45	66	61	53	46	49	52	59	56	56	53	57	64	60	59	64	66	58	57	45	48	....	53.8
Kylertown*	Maximum	75	72	73	78	72	76	81	72	76	73	84	82	67	77	79	71	75	78	72	77	85	83	84	87	86	70	56	70	75	74	....	76.0
	Minimum	42	50	51	47	49	46	55	51	43	50	65	51	48	43	47	57	54	54	52	47	56	61	58	59	64	55	51	52	43	46	....	51.6
Lancaster	Maximum	74	78	78	78	80	84	93	88	81	80	92	91	79	83	81	79	79	88	86	84	90	84	81	92	89	90	78	66	81	82	....	83.0
	Minimum	38	43	58	57	52	44	55	59	51	51	63	64	54	50	51	54	58	64	64	57	59	64	66	61	63	68	61	56	50	48	....	56.1
Lawrenceville	Maximum	83	79	75	79	75	81	82	77	77	78	87	83	70	79	84	84	81	83	75	86	90	88	90	89	91	80	60	71	75	79	....	80.4
	Minimum	38	50	51	47	50	43	57	47	41	45	60	53	47	41	44	50	54	54	51	48	52	59	60	58	61	55	49	54	42	44	....	50.2
Lebanon‡	Maximum	74	77	77	78	77	82	91	79	78	79	90	91	75	80	80	78	80	87	85	83	89	83	86	94	92	88	70	66	80	82	....	81.7
	Minimum	42	41	56	57	57	48	55	60	51	56	60	67	55	51	52	57	61	62	64	60	61	67	68	64	67	70	59	58	51	49	....	57.5
Lock Haven	Maximum	78	78	77	81	79	80	90	80	82	79	90	90	75	80	82	81	79	85	84	81	90	88	87	89	92	89	63	74	81	80	....	82.1
	Minimum	41	48	53	54	54	46	56	53	45	50	65	65	52	47	51	54	61	57	56	52	57	65	64	61	65	61	55	57	46	47	....	54.6
Marcus Hook*	Maximum	79	78	79	84	84	92	90	83	88	90	96	94	82	80	81	81	90	89	86	86	86	85	92	94	94	89	65	79	87	86	....	85.6
	Minimum	54	66	62	61	56	65	65	63	60	67	69	59	59	57	57	58	67	72	65	66	66	70	66	73	78	63	57	57	60	65	....	63.4
Meadville	Maximum	80	68	75	75	72	78	74	71	74	76	84	67	70	79	82	72	72	72	71	83	87	84	88	90	83	62	68	71	74	75	....	75.9
	Minimum	59	45	47	47	45	57	42	44	53	65	65	46	43	45	55	58	57	53	52	50	57	59	60	65	58	51	53	44	45	61	....	52.7
Midland	Maximum	84	75	76	79	75	80	80	74	77	79	85	80	72	77	82	73	79	79	76	81	87	83	84	89	84	79	67	74	76	78	....	78.8
	Minimum	45	60	52	50	56	51	60	54	47	60	65	62	50	49	51	50	63	56	56	54	49	62	61	63	65	62	54	57	49	51	....	56.1
Montrose	Maximum	73	75	71	74	69	71	82	72	73	75	80	80	70	76	80	78	69	80	75	83	88	82	84	86	86	78	58	65	72	73	....	75.9
	Minimum	41	44	51	53	52	44	57	52	47	52	58	60	50	50	50	52	53	56	51	51	57	64	62	60	64	50	49	50	48	47	....	52.5
Mount Pocono	Maximum	70	69	69	67	67	71	81	71	72	69	79	78	68	71	73	67	68	78	70	78	81	76	72	84	82	68	64	56	69	70	....	71.9
	Minimum	37	44	53	50	56	44	59	52	45	49	56	63	50	47	47	48	57	60	56	52	56	57	62	59	61	59	52	52	43	46	....	52.4
Muncy Valley	Maximum	71	77	73	76	73	76	80	83	77	81	84	81	71	77	77	79	70	83	79	83	88	83	83	88	80	73	68	73	75	74	....	77.9
	Minimum	42	47	52	43	39	37	49	51	40	46	52	49	55	49	46	51	54	59	55	48	54	60	58	62	59	56	53	48	48	42	....	50.0
New Bloomfield	Maximum	77	77	77	79	78	82	91	79	80	70	93	89	73	79	84	77	81	87	84	84	89	89	86	94	93	87	63	69	79	80	....	81.7
	Minimum	37	47	53	53	54	44	56	57	44	45	64	65	53	46	47	50	57	61	56	52	57	65	60	59	62	62	58	56	45	46	....	53.7
New Castle	Maximum	81	82	80	78	74	82	82	75	79	80	88	80	72	79	85	82	79	78	73	83	88	86	87	93	89	83	68	73	76	77	....	80.4
	Minimum	42	46	48	47	48	47	60	49	43	57	59	60	45	45	53	56	58	58	56	53	55	58	60	62	67	60	54	50	45	52	....	53.1
Palmerton*	Maximum	75	76	78	72	75	78	89	79	78	77	88	88	75	77	79	76	73	83	79	82	87	78	78	88	87	79	61	65	77	78	....	78.5
	Minimum	41	48	60	56	50	45	59	57	49	50	64	61	58	53	52	58	61	66	60	55	70	65	67	65	66	61	58	57	50	48	....	57.0
Philadelphia*	Maximum	73	78	78	73	77	80	90	79	80	81	87	91	79	80	75	77	76	84	83	82	86	77	81	89	89	89	66	62	81	79	....	80.1
	Minimum	47	52	65	62	60	57	65	64	64	63	65	67	60	61	62	58	57	65	70	66	67	66	68	67	72	66	60	58	58	63	....	62.5
Phoenixville	Maximum	74	78	78	77	80	85	92	90	80	81	89	91	90	80	79	78	75	86	85	84	87	86	80	91	91	90	84	63	79	80	....	82.8
	Minimum	38	50	64	61	57	46	63	63	57	52	65	67	57	58	54	54	60	67	66	60	62	66	68	62	69	78	62	59	54	49	....	59.6

Continued on page 35.

Daily Temperatures for June, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Pittsburgh*..	Maximum	82	72	75	78	74	82	81	74	79	82	83	79	70	80	84	66	75	79	77	78	84	79	83	87	85	77	63	72	76	79	....	77.8
	Minimum	51	60	58	55	57	52	58	56	53	61	64	54	51	54	55	57	60	60	58	55	62	63	62	63	67	59	54	57	52	51	....	57.3
Quakertown	Maximum	74	76	75	76	76	81	89	85	76	78	85	88	75	76	76	87	74	82	81	81	86	81	78	88	87	86	63	62	77	78	....	79.2
	Minimum	34	49	56	57	55	43	60	56	47	49	63	65	54	55	50	51	56	64	64	54	54	52	64	59	65	62	57	55	47	47	....	54.8
Reading*	Maximum	75	78	77	75	75	80	90	76	77	79	87	88	74	78	78	77	77	84	81	84	87	78	77	89	87	87	63	65	78	80	....	79.4
	Minimum	47	54	62	60	58	55	67	60	59	56	65	62	57	55	57	58	60	65	66	61	64	67	69	67	72	62	58	57	55	56	....	60.4
Retreat	Maximum	75	78	74	77	71	76	86	76	76	76	83	79	72	76	72	79	78	81	77	82	87	76	81	89	89	72	62	66	66	74	....	76.9
	Minimum	37	41	54	50	48	42	54	53	45	46	57	57	50	47	46	50	54	61	55	49	56	61	59	59	63	60	55	55	45	45	....	51.8
Ridgway‡	Maximum	74	80	73	73	77	73	77	81	72	76	79	84	78	70	79	83	75	75	78	72	79	88	86	83	88	88	61	63	70	75	....	77.0
	Minimum	34	49	50	39	47	38	46	43	37	41	61	64	44	41	44	48	53	51	50	52	49	59	58	54	57	60	52	46	40	43	....	48.3
Salisbury (near)	Maximum	73	70	69	72	68	76	79	68	71	70	80	77	63	71	74	62	72	75	73	69	78	75	76	81	82	80	68	67	70	74	....	72.8
	Minimum	40	52	52	48	51	45	56	50	48	55	64	57	48	45	44	51	55	54	56	53	57	59	57	57	60	65	54	52	44	46	....	52.5
Scranton*	Maximum	78	80	74	74	73	77	88	77	76	79	86	84	72	78	79	78	72	84	74	85	90	82	84	90	89	72	60	67	75	78	....	78.5
	Minimum	42	46	58	52	54	46	58	57	49	54	66	56	55	53	52	56	58	61	61	56	58	66	68	64	67	60	57	56	54	48	....	56.3
Selinsgrove	Maximum	72	76	78	76	78	78	82	77	78	78	86	85	71	79	80	78	78	84	83	84	87	88	90	92	90	87	65	70	78	79	....	80.2
	Minimum	41	48	54	56	58	50	52	48	46	50	64	66	56	58	60	58	58	60	61	60	66	65	60	61	56	55	52	54	52	54	....	56.0
Somerset	Maximum	70	69	69	71	68	75	75	69	70	71	76	75	63	72	74	74	75	76	74	70	75	75	76	80	80	77	69	65	69	70	....	72.4
	Minimum	33	45	48	38	50	38	49	49	37	50	49	59	43	36	40	44	49	55	55	45	52	58	57	52	59	64	55	52	37	39	....	47.9
State College	Maximum	75	75	77	79	75	80	86	75	78	74	87	84	68	77	81	74	80	82	77	81	87	85	85	88	89	76	72	73	76	77	....	79.1
	Minimum	42	54	52	53	54	47	58	52	49	50	59	63	50	45	51	58	57	58	56	51	51	52	61	59	63	63	52	55	46	49	....	53.7
Stroudsburg‡	Maximum	76	77	78	74	76	79	89	82	78	79	88	86	78	82	78	74	76	83	79	77	88	82	85	88	89	81	59	72	79	79	....	79.7
	Minimum	44	42	43	51	59	55	54	57	46	49	53	56	49	58	61	54	56	62	51	47	54	62	63	64	61	59	58	58	51	46	. ..	54.1
Towanda	Maximum	78	81	75	80	73	78	87	77	77	80	87	86	72	78	82	84	76	85	71	87	91	86	89	93	92	75	60	69	75	79	....	80.1
	Minimum	35	46	54	48	53	40	62	53	41	43	62	57	51	45	47	48	53	56	53	50	55	61	63	57	63	58	53	55	45	43	....	57.7
Uniontown	Maximum	84	77	76	80	77	82	85	76	80	84	86	82	72	79	84	75	79	81	80	81	84	80	82	86	87	86	71	75	77	79	....	80.2
	Minimum	47	63	55	47	57	49	61	54	47	61	66	65	49	46	50	55	57	58	61	55	60	63	63	61	66	71	59	58	46	49	....	56.6
Vandergrift*	Maximum	84	77	80	83	77	85	89	80	80	83	89	85	74	83	87	72	82	85	79	83	91	85	86	88	90	79	66	70	80	81	....	81.8
	Minimum	45	59	55	49	53	49	55	52	46	40	67	53	54	47	50	55	58	54	51	52	58	65	62	62	68	60	56	50	46	50	....	54.0
Warren	Maximum	78	70	71	74	69	77	78	73	76	79	84	74	71	81	85	77	76	80	73	84	93	90	86	92	88	72	67	72	76	81	....	78.2
	Minimum	56	56	51	49	51	40	54	47	39	44	65	55	50	44	47	53	59	57	53	49	55	59	61	59	64	52	51	53	44	46	....	52.1
Waynesburg	Maximum	82	79	78	77	76	81	82	75	80	86	85	80	73	79	83	79	77	80	79	80	86	82	78	85	83	86	73	75	77	78	....	79.8
	Minimum	44	60	56	48	56	47	62	52	45	54	66	64	50	45	47	56	56	56	58	53	60	62	60	62	66	71	55	57	46	48	....	55.4
Wellsboro	Maximum	80	77	71	77	72	78	84	76	77	76	86	80	69	75	78	81	76	81	74	82	89	81	84	89	85	70	58	70	73	75	....	77.5
	Minimum	37	48	50	49	50	41	57	48	41	45	61	42	48	43	44	51	55	54	51	48	53	61	60	56	62	56	51	54	42	44	....	50.1
West Chester	Maximum	71	78	77	73	77	80	91	83	78	83	89	92	76	80	78	79	78	84	82	83	86	81	81	90	89	90	73	61	79	81	....	80.8
	Minimum	40	50	63	60	59	49	62	60	55	55	64	65	56	56	54	54	59	65	67	61	62	64	66	68	68	73	60	57	55	58	....	59.5
Williamsport	Maximum	77	77	77	78	75	79	87	77	81	76	89	86	72	79	84	81	78	84	82	86	92	89	88	91	91	90	62	69	77	79	....	81.1
	Minimum	39	49	53	54	54	49	55	55	48	49	64	61	52	48	48	54	57	57	58	50	56	65	62	61	66	61	55	57	48	46	....	54.3
Williamstown	Maximum	74	74	75	76	80	76	87	85	76	77	88	87	83	78	80	76	74	84	86	82	89	85	86	88	93	90	67	70	77	79	....	80.7
	Minimum	42	49	53	52	55	49	60	52	51	57	59	64	50	49	55	53	57	61	59	53	61	65	64	63	65	62	54	52	48	52	....	55.5
York	Maximum	75	78	77	78	78	83	91	80	81	80	91	92	74	80	80	78	84	86	85	83	88	81	88	92	91	92	80	66	79	81	....	82.4
	Minimum	40	49	58	57	56	47	60	60	52	54	67	66	55	48	49	53	58	65	63	60	61	67	65	62	66	70	60	58	50	50	....	57.5

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.00	30.31	14	29.68	25	11.1	32	sw.	6	74	65	65	69
Harrisburg	29.99	30.31	10	29.70	25	6.7	24	w.	25	73	49	56	66
Philadelphia	30.01	30.37	10	29.77	7	11.4	38	nw.	5	78	55	64	60
Pittsburgh	30.02	30.30	14	29.74	25	9.0	34	nw.	11	74	53	60	65
Reading	29.99	30.35	10	29.71	7	9.3	39	sw.	26	75	54	62	58
Scranton	30.00	30.35	10	29.69	25	5.8	32	nw.	7	73	48	59	64

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.1	5.0	29	2.1	12	18
Easton	Delaware	.....	.....	.....	.....	.....	22
Lehighton	Lehigh	3.5	6.6	29	2.3	25	9
Wilkes-Barre	Susquehanna	3.0	6.3	29	2.0	24	20
Williamsport	Susquehanna	2.5	6.1	28	1.4	24	20
Harrisburg	Susquehanna	4.0	4.9	30	3.4	25	18
Greensboro	Monongahela	12.7	20.7	18	11.0	7	30
West Newton	Youghiogheny	1.5	4.3	13	0.7	7	20
Lock No. 4	Monongahela	13.5	19.4	18	11.7	6	30
Pittsburgh	Ohio	.....	17.0*	18	16.2*	30	25
Midland	Ohio	.....	16.0*	25	12.8*	29	30

* Pool stage.

1.05
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. JULY, 1938. No. 7.

GENERAL SUMMARY.

Following the coolest June of the last ten years, the July temperatures rose a little above the normal. No unusually high temperatures were recorded, but there was a moderate excess in most regions on 18 to 20 dates. These higher temperatures stimulated the growth of crops, especially corn, which made a rapid development. Following the wettest June of the last ten years, the rains were mostly light during the first ten days of July, and, in fact, there was practically no rain in the State from the 3d to the 8th inclusive. The top soil became too dry in many regions. From the 11th to the 15th inclusive, moderate to fairly heavy local showers covered the State quite thoroughly, and were followed by excessive rains in the central and eastern portions of the State from the 20th to 23d inclusive. These rains assumed the proportions of local cloudbursts in several regions, flooding the smaller streams, and doing considerable damage. They occurred at the beginning of oats harvest, which was temporarily suspended, and much grain was beaten to the ground. They also found much wheat in the shock, and the shocks were thoroughly drenched. The rains were followed by a week or more of damp weather, with heavy morning fogs, and the grain did not dry out properly. The best of it was badly discolored, while the greater portion became moldy or sprouted. The damage was known to be heavy, but could not be reliably estimated except by an accurate survey, which was impossible. This period of heavy showers brought the July rainfall well above the normal in at least four-fifths of the State. The rainfall was light in three southwestern counties, and a drought of harmful proportions was developing in that region at the end of the month. Haying proceeded under difficulties after the 10th, and a heavy second crop of alfalfa was reduced by losses in curing to about average proportions. The digging of early potatoes was getting well under way prior to the heavy rains, which made the fields very muddy and temporarily stopped the work. The crop was generally good, but near the end of the month there were many reports of potatoes rotting in the ground. Blight was beginning in the late crop prior to the rains, and the excessive moisture seemed to favor its spread. The moisture was also unfavorable for the peaches, which practically ceased to grow, and which started to rot in many regions. Conditions were favorable for pastures, which were good to excellent.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 73.2°, which is 1.0° above the 51-year normal for July. The highest monthly mean was 80.2°, at Marcus Hook, and the lowest was 64.0 at Gouldsboro. Extremes of temperature ranged from a maximum of 100° at Marcus Hook on the 10th, to a minimum of 40° at Coudersport on the 5th and 7th. The greatest daily range in temperature was 49° at Coudersport on the 7th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 172 stations, was 4.81 inches, which is 0.52 inch above the 51-year normal for July. The greatest monthly amount was 11.26 inches at Ardmore, and the least was 0.97 inch at Lock No. 2(Coraopolis). The greatest amount for any 24 consecutive hours was 4.64 inches at Ardmore on the 22-23d.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.2	97	38	3.45	....	8	15	10	6
1889	71.6	96	39	6.80	....	13	12	10	9
1890	70.7	101	33	3.52	....	8	13	11	7
1891	67.8	97	34	6.32	....	13	11	10	10
1892	73.1	103	38	3.93	....	10	15	11	5
1893	72.1	102	36	3.15	....	10	15	12	4
1894	73.8	103	31	2.32	....	7	15	11	5
1895	69.1	102	34	3.24	....	9	12	12	7
1896	72.8	98	40	6.89	....	14	10	11	10
1897	73.4	103	41	6.26	....	14	10	11	10
1898	74.8	107	33	3.36	....	9	12	12	7
1899	72.3	101	35	3.91	....	10	12	11	8
1900	74.0	104	35	4.86	....	11	14	12	5
1901	76.4	107	45	3.88	....	11	10	13	8
1902	71.8	99	41	6.04	....	15	10	12	9
1903	71.2	98	35	5.36	....	12	13	12	6
1904	70.6	99	34	4.68	....	13	12	11	8
1905	72.6	99	39	4.87	....	15	10	12	9
1906	71.3	95	38	4.31	....	10	12	13	6
1907	71.5	96	34	3.84	....	10	15	12	4
1908	73.9	104	39	4.81	....	11	14	12	5
1909	69.7	98	34	2.14	....	7	16	11	4
1910	72.8	99	41	2.42	....	7	16	11	4
1911	73.7	105	36	2.81	....	8	16	11	4
1912	71.3	100	36	5.29	....	11	12	11	8
1913	71.8	101	40	4.16	....	11	15	10	6
1914	71.3	101	38	4.19	....	12	12	11	8
1915	70.7	98	40	5.28	....	15	10	13	8
1916	74.3	98	37	4.45	....	10	14	10	7
1917	72.1	105	40	4.33	....	13	12	12	7
1918	70.1	99	35	3.05	....	9	16	10	5
1919	72.6	104	34	5.90	....	11	16	8	7
1920	69.5	96	33	4.37	....	11	15	10	6
1921	75.9	104	45	4.13	....	10	15	11	5
1922	71.9	98	38	3.68	....	9	14	10	7
1923	71.0	100	32	4 24	....	11	15	9	7
1924	69.7	97	34	3.42	....	9	17	10	4
1925	70.5	101	32	5.57	....	12	13	11	7
1926	71.8	105	35	3.82	....	10	15	9	7
1927	71.7	100	29	4.97	....	12	14	11	6
1928	72.8	96	40	5.44	....	13	16	9	6
1929	71.8	99	33	2.81	....	8	18	9	4
1930	73.0	106	33	2.23	....	7	19	8	4
1931	75.2	105	39	5.28	....	12	15	10	6
1932	72.0	100	36	3.39	....	10	16	10	5
1933	72.5	104	35	4.26	....	8	17	9	5
1934	75.5	107	40	4.01	....	9	17	10	4
1935	75.0	104	42	5.63	....	12	15	10	6
1936	73.5	111	37	2.88	....	8	18	9	4
1937	72.4	101	37	4.47	....	12	14	10	7
1938	73.2	100	40	4.81	....	12	13	10	8
Period	72.2	111	29	4.29	....	11	14	11	6

Climatological Data for July, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	77.4	+0.5	93	11	50	3	36	8.99	+4.68	1.67	0	16	17	10	4	s.	John A. Frick.
Altoona	Blair	1,615	51	70.8	−0.2	89	8†	45	4	33	2.60	−1.40	0.68	0	11	21	7	3	w.	John J. Martin.
Ardmore	Montgomery	350	18	72.4	−2.0	92	11	53	4	28	11.26	+6.58	4.64	0	17	6	12	13	......	H. L. Balderston.
Arendtsville	Adams	700	16	75.4	+0.9	95	8	53	5	34	2.94	−0.94	1.08	0	13	18	3	10	sw.	Harold J. Miller.
Bedford	Bedford	1,060	6	73.6	....	95	8†	47	4	36	3.63	....	0.84	0	15	12	8	11	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	76.2	+1.1	94	11	54	4	37	7.63	+3.07	1.85	0	17	15	4	12	w	Lehigh University.
Carlisle	Cumberland	467	72	76.3	+1.2	96	8†	51	4	37	3.13	−0.70	1.10	0	15	21	4	6	s.	Prof. C. E. Miller.
Center Hall	Center	1,272	42	71.4	+0.4	90	8†	46	4	32	5.31	+1.14	1.40	0	9	24	4	3	......	Edward E. Bailey.
Chambersburg	Franklin	580	39	76.0	+1.2	96	8	50	5	37	4.66	+0.66	1.23	0	16	9	15	7	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	71.7	+0.1	94	26	41	3	39	2.05	−2.51	0.55	0	14	4	19	8	w.	John Hess.
Coatesville	Chester	380	51	75.6	+0.3	95	11	52	4	31	8.23	+3.67	2.63	0	16	9	9	13	sw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	71.5	−0.8	87	8†	48	3†	33	6.63	+2.35	3.12	0	13	19	5	7	w.	Wm. A. Korer.
Emporium	Cameron	1,050	51	71.0	+0.2	92	8	43	3	42	3.13	−1.28	0.67	0	13	17	10	4	w.	C. E. Koppenhefler
Ephrata	Lancaster	380	46	77.6	+2.8	98	28	52	4	39	8.98	+4.60	2.13	0	13	15	6	10	s.	Ira J. Keath
Freeland	Luzerne	1,970	45	70.2	+1.2	87	11	48	4	29	6.28	+1.37	2.25	0	10	2	4	25	w.	Andrew B Evansha
George School	Bucks	190	32	75.6	+1.4	92	10†	52	4	30	10.13	+5.70	1.77	0	14	17	8	6	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	76.2	+1.7	95	10	53	5	33	3.33	−1.03	1.10	0	14	16	8	7	se.	Dr Henry Stewart
Gordon	Schuylkill	840	34	71.6	+1.2	90	8†	44	3	37	8.76	+3.90	3.10	0	13	17	8	6	w.	Miss Sallie M. Johnson
Gouldsboro	Wayne	1,875	23	64.0	−1.0	78	8	41	4	35	5.00	+0.55	1.98	0	10	15	9	7	w.	Ronald H. Marshall.
Hamburg	Berks	535	45	76.9	+3.4	95	11	60	7	27	8.93	+4.03	2.40	0	14	12	16	3	w.	State Sanatorium.
Hanover	York	600	34	76.6	+0.8	95	10	54	5	31	3.58	−0.61	1.01	0	10	17	5	9	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	75.7	+0.9	93	10	57	5	28	2.65	−1.18	0.61	0	15	6	14	11	w.	U. S. Weather Bureau.
Hawley	Wayne	900	20	70.4	0.0	91	8†	41	7	46	5.11	+2.33	2.25	0	11	18	11	2	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	77.5	+0.4	93	11	59	5	27	8.76	+4.99	2.13	0	12	12	10	9	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	51	73.4	+1.0	94	8	46	5	37	4.47	+0.41	1.14	0	11	14	10	7	w.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,694	7	69.9	....	87	8	45	5	36	1.61	....	0.38	0	11	1	18	12	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	75.2	+1.1	96	10†	49	4	38	7.11	+2.83	1.72	0	11	15	12	4	sw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	41	71.2	+0.7	93	8	42	3	46	3.05	−1.05	0.55	0	14	14	13	4	......	C. P. Darling.
Lebanon	Lebanon	469	54	75.7	+1.6	94	8†	52	3†	33	4.35	−0.02	1.70	0	13	14	9	8	sw.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	73.8	+0.1	93	8	48	3	35	4.17	+0.17	0.87	0	15	11	18	2	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	12	80.2	+1.2	100	10	58	3	31	5.21	+0.65	1.05	0	11	16	10	5	sw.	Sun Oil Co.
Montrose	Susquehanna	1,620	33	69.8	+1.7	87	8	46	4	34	4.08	−0.02	1.27	0	10	8	11	12	s.	Philip F Chamberlain.
Mt. Pocono	Monroe	1,720	32	67.6	−0.2	85	27	43	4	35	9.80	+5.33	2.00	0	14	10	6	15	w.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	26	70.2	+0.4	89	8	44	7	40	4.00	−0.68	1.06	0	9	22	6	3	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	75.2	+1.3	97	8	53	4	35	10.00	+5.53	2.84	0	14	17	7	7	s.	Philadelphia Sub. Water Co.
New Bloomfield	Perry	679	....	73.6	....	94	8	46	3	39	5.25	....	1.03	0	16	18	10	3	w.	J. Earl Sheaffer
Palmerton	Carbon	398	20	74.4	+1.0	93	8†	48	3	41	8.08	+3.60	1.50	0	14	17	11	3	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	77.2	+1.0	94	10	61	4	24	6.52	+2.37	2.95	0	16	6	13	12	sw.	U. S. Weather Bureau
Phila. Navy Yard	Philadelphia	20	22	77.6	+1.1	95	11	59	4	27	5.48	+0.88	1.57	0	14	2	13	16	sw.	Navy Aerological Office
Phœnixville	Chester	100	28	76.6	+0.9	96	11	50	4	34	8.18	+3.22	2.24	0	14	16	9	6	sw.	Philadelphia Sub. Water Co
Quakertown	Bucks	496	53	73.0	+0.4	93	11	48	4	32	7.78	+3.10	1.91	0	17	15	9	7	w.	John E. Benner.
Reading	Berks	273	68	75.4	−0.1	92	11	56	4	28	7.78	+3.52	2.05	0	14	7	12	12	s.	U. S. Weather Bureau.
Scranton	Lackawanna	746	44	73.3	+1.4	92	8	50	3	38	4.97	+0.94	2.42	0	11	6	16	9	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	73.9	+0.5	92	8	54	3	32	4.80	+0.76	1.03	0	11	10	16	5	sw.	Dr. George E. Fisher.
Shawmont‡‡	Philadelphia	51	42	75.8	−0.7	93	11	55	4†	30	9.47	+5.18	3.30	0	13	11	9	11	nw	W. S. Guiles.
Shippensburg	Cumberland	660	5	75.4	....	94	8	54	4	34	2.63	....	0.68	0	13	9	13	9	sw.	State Teachers College
State College	Center	1,217	54	71.6	+2.2	90	8	48	3	33	3.93	+0.07	1.07	0	12	13	14	4	s.	C. A. Kern.
Stroudsburg	Monroe	500	24	72.5	+0.7	92	9†	46	7	39	5.33	+0.02	0.95	0	12	16	8	7	sw.	State Teachers College
Towanda	Bradford	754	44	71.6	+1.1	92	8	44	7	42	5.42	+1.62	1.63	0	11	14	11	6	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	70.0	+1.2	90	8	43	3	40	2.57	−0.63	1.48	0	11	18	11	2	w.	George W. Hill.
West Chester	Chester	455	89	76.0	+1.6	94	11	53	4	30	9.47	+4.83	2.66	0	15	16	12	3	sw.	Harlan Saylor.
Wilkes-Barre (Airport)	Luzerne	544	....	73.3	....	93	8	47	7	41	....	....	......	0	...	5	13	13	sw.	U. S. Airways Station.
Williamsport	Lycoming	521	52	73.6	+0.2	93	8	46	3	39	1.64	−2.20	0.29	0	9	14	9	8	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	74.1	+1.5	95	17	49	4	35	6.50	+1.08	3.00	0	9	17	11	3	sw.	Susquehanna Collieries Co.
York	York	400	50	75.5	+0.9	94	11	50	4	37	4.84	+0.62	0.83	0	12	17	9	5	s	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	68.2	0.0	90	8	42	4†	38	4.49	+0.33	1.02	0	13	7	11	13	......	Frank S. Fawcett.
Butler	Butler	1,077	25	73.8	+1.4	94	7†	45	3†	43	4.14	−0.27	0.90	0	10	18	11	2	w.	William C. Faust.
Chambersville	Indiana	1,047	37	71.5	−0.1	92	8	45	5	38	5.70	+1.01	1.01	0	16	14	9	8	sw.	John E. Lewis.
Clairton	Allegheny	1,020	6	73.0	....	89	8†	53	5†	31	2.61	....	0.88	0	9	10	7	14	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	73.0	−0.3	90	8†	48	5	34	1.26	−2.99	0.58	0	8	21	3	7	s.	J. L. Melvin.
Corry	Erie	1,430	25	69.6	+0.7	93	8	42	3†	46	3.41	+0.01	0.77	0	9	20	8	3	sw.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	70.0	....	90	8†	40	5†	49	2.94	−2.08	0.45	0	13	24	3	4	w.	Philip R. Shaw
Derry	Westmoreland	1,172	41	74.0	+1.3	94	8	50	4†	35	3.56	−0.91	0.92	0	12	15	10	6	sw.	Ted R. Wineman.
Donora	Washington	762	12	77.0	+0.8	95	8†	54	5	34	2.80	−0.59	1.26	0	9	5	13	13	s	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	69.0	+0.5	85	7	46	5	34	2.73	−1.43	0.78	0	11	19	8	4	sw.	D. H. Jones.
Franklin	Venango	957	64	69.9	−0.7	91	8	48	4†	36	5.54	+1.27	1.21	0	11	3	2	26	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	73.8	+1.2	91	8	52	4	30	3.96	+0.19	1.19	0	13	12	16	3	sw.	Westmoreland Water Co.
Greenville	Mercer	950	42	72.9	+1.5	96	8	47	3†	40	5.13	+0.81	1.15	0	9	16	11	4	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	72.0	+1.5	92	8†	50	4†	36	5.21	+0.65	1.82	0	12	12	11	8	.....	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	73.8	+1.5	91	8†	49	3	32	4.48	+0.74	1.50	0	12	20	9	2	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	74.2	+0.9	94	8	50	5	35	2.88	−1.41	0.75	0	16	11	14	6	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	6	67.6	....	87	8†	41	3	39	4.16	....	1.04	0	11	10	13	8	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	46	72.3	−0.3	90	8	53	4	27	4.58	−0.08	1.12	0	11	7	13	11	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	69.8	+0.1	90	7†	46	2	33	2.84	−1.13	0.81	0	11	11	13	7	s.	Paul F. Coy
Mercer	Mercer	......	....	69.3	....	89	8	41	30	42	3.07	....	1.21	0	9	9	16	6	s.	U. S. Airways Station.
Midland	Beaver	691	1	73.9	....	96	25	54	4	34	2.32	....	0.61	0	10	9	12	10	se.	Perry P. Campbell
New Castle	Lawrence	808	58	73.7	+1.2	93	7†	49	4	35	4.93	+1.27	2.14	0	11	15	11	5	sw.	New Castle Water Co.
Newell	Fayette	800	18	74.0	+0.2	93	25	51	5	35	2.79	−0.71	0.63	0	10	18	8	5	s.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	73.4	−1.2	93	8	55	4	27	2.06	−1.99	0.58	0	9	5	10	16	s.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	67.2	−0.6	89	9	41	3	35	5.02	+1.27	1.66	0	13	12	7	12	s.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	69.1	+1.3	87	8	49	4	27	6.94	+2.22	2.37	0	14	6	19	6	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	25	74.9	+1.8	96	8†	48	5	34	2.86	−1.11	1.11	0	10	19	8	4	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	71	67.0	−1.6	87	8	41	4	35	4.35	−0.54	1.05	0	15	4	13	14	sw.	D. L. Grove.
Uniontown	Fayette	1,100	50	75.0	+1.6	93	8†	53	5†	33	1.71	−2.61	0.28	0	13	14	15	2	sw.	Wm. W. Marsteller.
Unity Reservoir	Westmoreland	1,240	29	72.5	....	91	8	50	5	33	3.78	−0.51	1.17	0	11	2	18	11	nw.	Westmoreland Water Co.
Vandergrift	Westmoreland	825	24	74.8	+1.2	94	8	51	5	37	2.72	−1.65	1.50	0	8	18	13	0	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	70.6	+0.8	95	8	46	3	44	4.04	−0.36	0.84	0	11	7	12	12	w.	Harold L. Johnson
Waynesburg	Greene	1,035	7	73.8	....	91	7	50	5	35	1.29	....	0.48	0	6	4	20	7	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	73.6	+2.5	93	8	56	4	26	2.21	−0.80	0.78	0	12	14	15	2	sw.	U. S. Weather Bureau.
For the State¶	......	......	51	73.2	+1.0	100	10	40	5†	49	4.81	+0.52	4.64	0	12	13	10	8	sw	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete. ¶ From all available records.

Reference letters, ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T, indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (nr) Kane, RFD

W. B. O. Philadelphia-9-7-38-1050.

Daily Precipitation for July, 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Atlantic Drainage.																																	
Allentown‖‖	Lehigh		.19								.18	.05	1.07		.08	.33	.23		.16	.38	1.45	1.67	1.54	.76	.53		.03				.34	T.	8.99
Altoona	Juniata	.19	.12							.41			.60						.68			.12	T	.16			.07	.17	.05	.08		T.	2.60
Ansonia‖‖	W. Br. Susq		.13							T.	.19	.03	.19			.28		T	.12	.06			.46	.01		T.			.02	.29			1.78
Ardmore‡	Lower Del	.20	.08					.20		.02		T.	.82	.02	.30	.73			.60	.80	1.40	.70	1.40	3.52	.26				.10	.11		T.	11.26
Arendtsville‖‖	Lower Susq	.15								.41		.11	.03	.02		.13	T.	.03		.24	.41		.28	1.08	T	T.	T	.02	T.	.03	T.	T.	2.94
Baker's Summit	Juniata	.14	.04										.22			.07			.62	.11		.31	.14	.90				.12	.06	.10		.04	2.86
Bald Eagle ‡	Middle Susq	.35								.10		.53			.08				.37			.41		.19				.14				.10	2.27
Bedford	Juniata	.12	.01							T.				.24	.14	.53			.05	.25	T.	.20	.23	.84	.34		T.	.07	.11	.30		.20	3.68
Bellefonte	W. Br. Susq	.38	.05							.03		1.48	T.	.16	.05	.16			.58			.03	.06	.20	.57		.03		T.	T.		.02	3.80
Berwindale‡	W. Br. Susq	.54								.32		1.15		.23	.18				.19								.12	.13	.03	.05		.09	3.03
Bethlehem	Lehigh	.01	.14							.02	.10		.64		.27	.46			.21	.45	1.55	1.85	1.13	.56	.03					.06	.12	.08	7.63
Big Knob‖‖	Middle Susq		.22								.16		.30			.13				.12	.01	.01	.28	.88	.14						1.88		3.63
Bloserville‡‡	Lower Susq	.35								.60		.75			T.	.16		.12			.95		.52	.63		.05		T.		.35		.35	4.83
Buffalo Mills‖‖	Potomac		.07										.12		.05	.41				.10		.96	.53	.77	.32	.35			.34		.05		4.07
Carlisle	Lower Susq	.15	.14							.10	.08	.25	.85	T.	T.	.15		T.	.03	.14	.09	.02	.72	.28	.01	T.		T.		.12		T.	3.13
Carter Camp‡	W. Br. Susq	.26								.71		.05			.51				.20			2.38	.30	.03	.08				.37	.05		.53	5.47
Center Hall	Susquehanna	.55										.76	1.25		.38				1.40			.12		.51	.31							.03	5.31
Chambersburg	Potomac	.13	.03								.44		.11	.24		.15			.18	.33	.79	.60	.63	.34				.06	.22	.06		.85	4.66
Clearfield‡	W. Br. Susq	.55	.07							.33		.11		.17	.02	.20			.20			.05	.10	.11				.05	.06	.03		T.	2.05
Coatesville	Lower Del	.08	.04							.06			2.63	.09	.10	.25		T.	.02	.06	.15	1.07	1.15	1.34	.06				.73	.40			8.23
Colebrook	Lower Susq	.19	.08							.65	.04	T.	3.12		.16	.24			.05	.49		.34	.47	.75						.05			6.63
Conshohocken	Schuylkill	.01	.08									.57			.31	.26			.19	.06	2.53	1.40	.29	1.22	.37	.11					.08	.02	7.45
Doylestown	Lower Del	T.	.18								.08	T.	1.09		.14			1.47	.04	.34	.50	1.49	1.20	2.92	.27	T				.16	.12		10.00
Driftwood‡	W. Br. Susq	.23								.49					.55		.03		.24				.15										1.69
Du Bois	W. B. Susq	.55	.18							.41		.42			.14	.54			.18			T	.25	.26		.20		.49	.02	.86		T.	4.00
Emporium	W. Br. Susq	.22	.06							.46		.16				.67			.06				.34	.03	.53	.02		T.	.04	.53		.01	3.13
English Center‡	W. Br. Susq	.07								.21					.32				.54			.59	.12						.08	.87		.09	2.89
Ephrata	Lower Susq	.07	.21								.55		2.82		T.	.14			.04	1.53	.02	2.13	.94	.45	T.				T.	.07	.01		8.98
Forest City‖‖	N. Br. Susq	T.	.30								.11					.21			.08	.13	.09		2.31	.92	.33						.11		4.59
Fredericksville	Schuylkill	.01	.49							T.	.13	.45	2.13	.01	.87	.17		.16		.77	1.05	2.26	.98	.63		.06		T.	.04	.41	.01	.02	10.65
Freeland‖‖	Lehigh		.24								.28		.66							.08	.08	.52	2.25	1.41	.27	T.					.49		6.28
Galeton	N. Br. Susq	.13	.03						.47	.01		.03	.11		.02	.21			.15			.51	.16		.01		.20	.11	T.	.20		.06	2.40
George School	Lower Del	T.	.22								.32		.47		.71	1.52			.05	.78	.85	1.45	1.77	1.41	.47	.02					.09		10.13
Gettysburg	Potomac	.09	.04							T.	T	T.	.09	.02		.28			.65	.23	.02	.15	.38	1.10	.02			T.	.01	.25	T.		3.33
Girardville‖‖	Lower Susq	.30								.10		1.25			.20	.06			.07		1.15	2.86		2.16					T.	.72		.41	9.28
Gordon	Lower Susq	.15	.21								.22	T.	3.10			.11			.02	.02	.13	.25	2.85	1.25						.34		.11	8.76
Gouldsboro‡‡	Lehigh		.27								.44		.21			.80				.61	.08	.06	1.98		.30						.25		5.00
Graterford	Schuylkill		.06							.09	.18		1.14		.24	.31		T	.54	.09	.76	1.34	.29	.11	.46	.37					.43		6.41
Hamburg	Schuylkill	.02	.46							.03	.58		1.88		.13	.30			.20	.48	2.40	.40	.58	.85						.62			8.93
Hanover	Lower Susq	.07	.12							T.			.47	T.		.23			T	.17	T.	.32	.68	1.01				.21		.30	T		3.58
Harrisburg***	Lower Susq	.22	.01							.40		.13	.48	.19	.08	.15			.06	.01	T.	.24	.07	.49	T.					.04		.02	2.65
Hawley‖‖	Upper Del		.09								.77		.04			.03	T		T	.73	.16	T	2.25	.47	.25	.01					.31		5.11
Hollisterville‖‖	Upper Del		.22	T.							2.82		.03			.19	.03		T.	.14	.01		4.15	1.53	.52						.20		9.84
Holtwood‡‡	Lower Susq		.09								.40		1.82			.43			.27	.02	2.13	1.73	.67	.15	.85						.20		8.76
Huntingdon	Juniata	.23	T.							.49		T.	.23		.43				.61			.39	.5	.27				1.14	T	.07		.09	4.47
Huntsdale‡	Lower Susq	.04								.53						.29		.05	.05	.11			.44							.41			1.92
Hyndman‖‖	Potomac		.07								.05		.20		.20	.38				.15	T	1.05	.78	.80	.34				.08	T	.08		4.18
Kylertown	W. B. Susq	.35	.02							.29		.10	.04	.36	.02	.17			.18			T	T	T	.01			T	T.	.07		T.	1.61
Lakeville‖‖	Upper Del	.10								1.25			.03			.04	.01			.44	.14	T	2.65	.84	.35	.42	.35				.29		6.91
Lancaster	Lower Susq	.05	.10							T			2.15			.32			.05	.27		1.72	1.26	.69						.45	.05	T.	7.11
Lansford‖‖	Lehigh		.14								.76		1.49			.15		.01	.15	.93	.87	.62	1.86	.28	.49								7.75
Lawrenceville	N. Br. Susq	.15	.05							.10		.55	.25		.45	.10			.10			T.		.25	.55			.20	.05	.05		.10	3.05
Lebanon	Lower Susq	.30		T.						.16		1.70		.01	.35				.22	.06	.35	.26	.10	.65	T				.06	.13	T.		4.35
Lehighton‖‖	Lehigh		.11								.35		.79			.16			.03	1.15	1.88	.68	1.69	.60	1.14					T.	.68		9.26
Lock Haven	W. Br. Susq	.29	.14							.14	.19	.10	.09		.49	.12			.22			.87	.76	.31	.01					.11		.33	4.17
Marcus Hook	Lower Del												.66		.15	.18			.08		.59	1.05	.56	.89	.82	.15				.08		T	5.21
Matamoras‖‖	Upper Del		.12								.73		1.17							.33	.24	.76	.92	.64	.94				1.25		.92	.08	8.10
Mauch Chunk	Lehigh																																
Millersburg‡	Lower Susq	.28								.15		1.65	1.25		.07				.14		1.20	.36	.55	.68						1.72			8.05
Millville‡	N. Br. Susq	.40								.16		.78			.47							.59	.58										2.98
Montrose	N. Br. Susq	.21	.21									.20	.02		.32	.11			.44				1.27	.80					T	.50			4.08
Morris Run	N. Br. Susq	.25	.02							.16		.06							.69			.87	.83		T.			.33		.13		.12	3.46
Mount Pocono	Upper Del		1.00							.20		2.00	T.		.60	.30			.20	.20	.50	2.00	.50	.20	.60				T.	.50		1.00	9.80
Mt. Union‡	Middle Susq	.38								.11		.06	.14	.10					.37		.04	.34		.19				.59		.14			2.46
Muncy Valley	W. Br. Susq	.72	.14							.52		.42			.14	T.			.13				1.06	.16					.71				4.00
Neshaminy Falls‖‖	Lower Del	.09	.15							.07		T.	.39		1.56	.20		.08	.03	.03	1.03	2.84	.84	2.56						.13			10.00
New Bloomfield	Juniata	.01	.20							.39			.99		.05				.11	.07	.64	.70	.50	1.03	.02	.01		.02		.16		.35	5.25
New Park	Lower Susq	.06								.40			.96			1.00			.10	.14	.03	1.77	.97	.62	.02					.15		.05	6.27
Newport‖‖	Juniata		.27								.20		2.30			.03				.15	.20	.03	1.00	.80							.75		5.73
Orwigsburg	Schuylkill	.35								.15		1.82				.01		.02	T.	.29	.90	.25	.76	.41						1.77		.09	6.82
Palmerton‡	Lehigh	.08								.49		.49	.04		.15	.05			1.50	.31	.66	.96	.35	1.19					T	1.20		.61	8.08
Paupack‖‖	Upper Del		.11								1.20				.08					.50	.44		2.70	.42	.24	.02					.30		6.01
Philadelphia***	Lower Del	.08	.02									.01	.45		.35	.21		T.	.21	.01	2.32	1.24	.35	.42	.66	.13	T.		T.	.05		.01	6.52
Phila. Navy Yard‡	Lower Del	.10	.05									.05	.53		.21	.30			.10		1.57	1.02	.03	1.05	.19	.19	.09			T.		T	5.48
Phila-P'nt Breeze‡	Lower Del	.09											.60		.23	.22			.14		2.00	2.29	.26			1.50	.63			.07		.01	8.04
Phoenixville	Schuylkill		.14							T.	.02		1.23		T.	.13			.23	.14	.19	1.46	1.59	2.24	.40	.16			T		.24	.01	8.18
Pine Grove	Lower Susq	.60								.62		1.60	.10			.05			.17	.55	1.80	.35	.25	.55						.12			6.76
Pleasant Mt.	Upper Del									.23		.41	.07		.19				.21	.09			.02	.54						.03		.28	2.02
Pottstown	Schuylkill	.18	.01						.01	.48		.96	1.13		.06	.15	.01	T.	.24	.98	.22	1.75	.85	.56			T.	T.		.20		T	7.79
Pottsville	Schuylkill	.10	.30							T.	.30	.03	2.04			.03			.11	.10	.66	.10	1.00	.70	.03				T	.57		.21	6.28
Quakertown	Lower Del	.28									.04	.74	1.17		.17	.23		.24	.04	.09	.54	.97	1.19	1.38	.09					.56	.03	.02	7.78
Reading***	Schuylkill	.17	.01							.49		.94	1.11		.08	.16		T.	.24	.97	.21	1.77	.83	.59		T.		T.		.21		T.	7.78
Renovo‖‖	W. Br. Susq		.29								.30		.31			.42			.09	.26			.25	.04						.23	.04		2.23
Retreat	N. Br. Susq	.12								.20		.29	.25		.15				.02		.51	1.26		1.17						.74		1.20	5.91
Scranton***	N. Br. Susq	.27								.73		.03			.08				.03	.02	T.	1.29	1.13	1.13		T.				.11		.15	4.97
Selinsgrove	Lower Susq	.16										.65	.26		.51	.50			.32			.42	.58	1.03						.36		.01	4.80
Sellersville‡	Lower Del	.34	.05									1.19	.27		.09	.46		.79	.03	.10	1.06	1.28	.83	1.60	.03				.16	.82			9.10
Shade Gap‡	Middle Susq	.29								.23		.82	.13			.29			.26		.35	.36	.42	.31						.21			3.67
Shawmont	Schuylkill		.20								T.		.68		.02	.69			.47	.06	.56	1.46	1.48	3.30	.45	.04	T.		T.		.06		9.47

Continued on page 39.

Daily Precipitation for July, 1938—Continued from page 38

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
		Day of month																															
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq	.22	T.							.02	.48	.02	T.	.04	T.	.22				.12	.05	.18	.50	.35		T.			.06	.37			2.63
State College	W. Br. Susq	.19	.02							T.		.86	.09	.16	1.07	.09			.96	T.	T.	.04	.09	.20			T.		T.	T.		.16	3.93
Stroudsburg‖‖	Upper Del									.25			.60		.03	.10				.85	.05	.85	.55	.85	.95		.05					.20	5.33
Sunbury‖‖	Lower Susq		.28								.20		1.02		.08	.15			T.	.19			.82	.35	.75						.05	T.	3 89
Susquehanna‖‖	N. Br. Susq		.03										.03			.95			1.08	.31			.70	.87						.38	.08		4.58
Towanda	N. Br. Susq	.20	T.							.05		.34	T.		.47	T.			1.01			1.63	.38	.20				.09		.51		.54	5.42
Weikert	Lower Susq	.37								.30		.84	.66		.25				.50	.12		.23		.08									3.35
Wellsboro	N. Br. Susq	.11								.07	.01	.10	T.		.07				.28			.50	.98				.21	T.		.12		.12	2.57
Wernersville[near]	Schuylkill	.42										.47	2.59	.07	.55					.85	.77	1.38	.31	.17	.32				.02	.58			8.50
West Chester	Lower Del	.03	.05									T.	1.31		.03	.37			.40	.04	.29	1.70	89	2.66	1.20	.35			.02	.13	T.		9.47
Westgrove‖‖	Lower Del		.16							.02			1.09		.01	.52				1.10	.10	1.27	1 59	3.34	.90	.03				T.	.29		10.42
Wilkes-Barre‖‖	N. Br. Susq		.18								2.00	.25	.15			.43				.47	.34		1.73	.56	.63				.15		.36		7.25
Williamsport‖‖	W. Br. Susq		.29							T.	.18		.22			.17			.08	.15		.19	.15		.21						T.		1.64
Williamstown	Lower Susq	T.	.48							.03		T.	1.40			.03			T.	.12	.70		2.35	.65						.74			6.50
York	Lower Susq	.05	.10										.71			.42			.44	.48	.06	.48	.81	.83	.02					.44			4.84
York Haven‖‖	Lower Susq		.24								.04		.51			.20			.52	.36	.18	.32	.35	1.10	.71						.10		4.63
Zionsville..(near).	Schuylkill		.40									.30	1 20		.30	.25			.20	1 00	.40	1.20	.95	.55	.10				.15	.10		.02	7.12
Trenton. N. J***	Lower Del	.10	.08							.24		.02	.29		1.28	.08		.06	.05	.31	1.98	1.45	.47	1.37	.59	T.		T.		.06		T.	8.48
Ohio Drainage																																	
Beaver Falls‖‖	Beaver	.01	.24							.62			.06		T.	.08			.28	.05			.01		.09				.17	.38		T.	1.99
Blairsville	Allegheny		.45	.08						.08	.07		.51		T.	.18			.44	.05			T.	.12					.11	.08	.37	.01	2.55
Bradford	Allegheny	.35	.12							1.04		.64			.70	.18			.39			.05	.23	.21	.21			.20		.58		.22	5.12
Brookville‖‖	Allegheny		1.02							.08	.57		.03		.03	.64			.24	.03			.83	.17	.16				.15	.54			4.49
Buckstown‡	Allegheny									.50		.11	.32	06	.08	.08			.20	.09		.38	.09	.39				.06	.09	.36			2.81
Butler	Ohio	.90								.61	.12	.07		.20	.17				.32			.60						.65				.50	4.14
Chambersville	Allegheny	.64	.15							.51	.18		.51	.50	.01	.21			.32			.82		.46			.08	.05	.23	1.01		.02	5.70
Clairton‡	Monongahela	.25								.58		.39		.04	T.				.88			.06						.15	.23			.03	2.61
Clarion	Allegheny	.01	1.00							.11			.05		.59	1.19			.12	.02			.51	.19	.98				.19	71			5.58
Claysville	Ohio	.12	.06							.03			.12			.04			.58							T.			.11	T.		.20	1.26
Confluence‖‖	Youghiogheny		.20	.10						.75	.23		1.70		.12	.35			T.	.13				.05	.90				.30		.26		5.09
Connellsville	Monongahela	T.	.07	.09						.18			.51		.02	.02			.14	.69			.70	.05				.06	.16	T.	.22		2.91
Corry	Allegheny	.14								.55		.46							.14					.37			T.	.52	.35	.77		.11	3.41
Coudersport	Allegheny	.28	.08							.45		.38	.18		.12	.10			.08				.38		.15			.18		.15		.41	2.94
Derry	Conemaugh	.19	.18							.28		.14	.26		T.				.89	.05				.06				.92	.43	.03		.13	3.56
Donora‖‖	Monongahela	.08	.04							.17		1.26		.23	.02				.65										.25	T.	T.	.10	2.80
Dunlo‡	Allegheny	.25	.15							.19		1.10			.10				.74			.07		.25	.27				.42			.20	3.74
Ebensburg	Conemaugh	.33	.21							.78			.18			.05			.68				.12	.05				.08	.12			.13	2.73
Franklin‖‖	Allegheny	T.	.68							.05	.06		.48			.28			.10	.03			.72	1.20					.73	1.21			5.54
Greensboro‖‖	Monongahela	T.	.21	T.						.26	.28		.33		.03	.17			.07	.10			.10	.06							.03	T.	1.64
Greensburg	Youghiogheny	.23	.20							.52		.08	1.19	.08	T	T.			1.05	.02			T.				.15	.05	.07	.01		.31	3.96
Greenville	Beaver	.98	.10							.80		.68			.75				.22					.20						1.15		.25	5.13
Grove City	Beaver	1.09	.09								.28	.08		.05					.25			.09	08	.93					.22	1.82		.23	5.21
Irwin	Monongahela	.23	.14							.85			1 50	.03					1.05	.06			.03	.02				.03	.09			.45	4.48
Johnstown	Conemaugh	.17	.07						.05	.36			.46	.03		.08			.75			.01	.21	16		T.	.08	.09	.15	.16		.05	2.88
Kane (near) ‡‡	Allegheny	.37	.19							.32	.15	.15	T.		.58				.27		T		.48	T	1.04				T.	.56		.05	4.16
Kregar‖‖	Youghiogheny	.32	.01						.40	.76		.34		.35	.06			.05	2.05	.12		1.06	1.83	.05		.38	T.	.32	.18	.05		.07	8.40
Lake Lynn‖‖	Monongahela		.26							.29	.56		.45		.08	.04			.09	.28			.02	29	.13				.02		.60		3.11
Linesville‖‖	Beaver	.63							.24		.12	.14			.18			.09					.67	.07				.76	.35	T.		1.14	4.39
Lock No 2‖‖	Ohio	.06	.29							.09	.11		.04						.19	.03			.15						T.	.01			0.97
Lock No. 4‖‖	Monongahela	T.	.08	.05						.20			.90		T.	.01			.22	.09									.28		.02	T.	1.85
Lock No. 5‡‡‖‖	Allegheny	T.	.43							.03			.39		.04	.10			.12	.11			03					.16		.40			1.81
Lycippus	Conemaugh	.19	.26							.80		T.	.75	.12	.06				1.12	.33			T.	.47				T	.35	.13			4.58
Marienville‡	Allegheny	.70								.60					.53				.23			.08			.30			.33	2 10	.13		.12	5.12
McKeesport‖‖	Monongahela	.01	.30	T.						.67	.66		.73			T.			.40	.02			.96					T	.06			.28	4.09
Meadville	Allegheny	.06	.69							.31	.16		.20			.13			.04	T.			T.	.07				.03	.81	.34			2.84
Mercer	Ohio	1.17	.02							.13		.11			.08				.07					.35					.89	.26		.78	3.81
Midland	Ohio	.22	.04							.06		.53	.08						.38					.16					.53	.02		.30	2.32
Mosgrove‖‖	Allegheny		.93							.27	1.40		.11			.08			.22	.09			.18	.30					.23	.48		T.	4.29
Mount Lebanon	Ohio	.23	.05							.33		.14		.01	T.				.31			.02	.09	T				.13	T.			.09	1.40
Natrona‖‖	Allegheny	T.	.41							.12			.85			.04			.22	.07	.01								06	1.06		T.	2.84
New Castle‖‖	Beaver	.44	.06							.21	T.	10				.01	T.		53	T.		.54		.23					.17	2.14		.50	4.98
Newell	Monongahela	.12							.40			.63		.02				.43	.40			.04						.40	.26			.09	2.79
Parkers Landing‖‖	Allegheny	T.	.94							.14	.10		.05			.31			.40	T.	.12				.15				.38	.41			3.00
Pennline‖‖‡‡	Beaver	31	.51							.32			.23						.20			.27		34	.05				.59	.47			3.29
Pittsburgh***	Ohio	.26	.08					T.		.58		.37		.02	T				.49			.07		T.				.14	T.	T	T.	.05	2.06
Punxsutawney‖‖	Allegheny		.92							.20	1.11		.57		.32	.64			.14	14										.19	.02		4.25
Ridgway	Allegheny		.53							.85	.81		.03		.02	.86			.08	.02	.09		.17	T	.94				.08	.54			5.02
Rochester‡	Ohio									.33		.05		03					.33			.34							.75			.37	2.20
Salisbury (near)	Youghiogheny	.12	.33							.09	.18		2.87	T.	T.	1.47				.06		.47	.14	1.33	T		.09	.05	02	.22			6.94
Saltsburg‖‖	Conemaugh	T.	.36	T.						.33	.74		.59		T.	T.			.31	.12			T	.01				T.	.04	.12	03	.01	2.66
Seward‖‖	Conemaugh		.38	.15						.10	.31		.11			.05			.63	.22			.33	.04					.08	.22	.03	.02	2.67
Sharon‖‖	Beaver	.23	.85							.21			.07			.02			.11					.13	05				.08	1.11			2.86
Sharpsville‖‖	Monongahela	.20	92							.17	.03	T.	.17			03			.13	.01				09					.01	1.39		T.	3.15
Smethport‖‖	Allegheny		.24							.53	.05		.72			.25			.72						.53					.74		T.	3.78
Somerset	Youghiogheny	.13	.07							.19	.37		.53	T.		.18			.37	.10		.01	.52	1.05			.01	.2	.08	.51			4.35
Springdale‖‖‡‡	Allegheny		.50							.07	.37		.90			.02			.14	.04					.02			.14	08	.19		T.	2.47
Titusville‡	Allegheny	.66										.14			.40				.20				2.52	1.05	.03	.04		.15	.02	.21		.20	5.62
Union City‡	Allegheny	.40							.05	.16		.36							.10				.61	.02			.20	1.16	.28	.04		.88	4.21
Uniontown	Monongahela	.10	.09							.20	.28		.24		.01	.07			.27	.01			.04	22				.05	T.	.13		T.	1.71
Unity Reservoir‡‡	Youghiogheny	.20	.20							.96		.05	1.17	T.	T.	.01			.75	.02				T				T.	.25	.14		.03	3.78
Vandergrift‡	Conemaugh	.33	.03							.05	.03	.35						.19									.19		1.50				2.72
Warren	Allegheny		.31	T.						.17		.25			.84				.26	T.		.03		65	T.			.07	.81	.37		.28	4.04
Waynesburg	Monongahela	.19								.42									.48				.11						.03	.06			1.29
Westford‖‖	Beaver	.75							.15			.25						.12				.10	.62				.15	.38	.60			1.22	4.34
West Newton‖‖	Youghiogheny	T.	.20							.12			1.95		T.				.47	.10			.45						.16	.10	.03		3.58
Lake Drainage.																																	
Erie***	Lake Erie	.27							.10	.03		.78			.06	T.			.15				.09	.01			.18	T.	.03	.01		.50	2.21
Raymond‡	Genesee	.18								.38		.69			.36				.09			.28	.06	.02	.08			.12	.06	.07		.40	2.79

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement.

‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. ‡ Mdt. to mdt.

Daily Temperatures for July, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	69	82	78	75	80	83	85	89	84	86	89	83	84	83	80	81	86	80	81	85	85	83	77	82	81	84	86	81	81	82	82	82.2
	Minimum	59	64	50	45	47	51	55	60	64	65	61	63	57	63	64	51	55	61	61	64	61	61	64	61	61	60	62	65	65	55	63	59.4
Bedford	Maximum	78	86	82	81	83	86	91	95	93	91	95	94	87	85	83	85	90	85	89	88	85	87	81	84	85	87	88	87	85	87	89	86.8
	Minimum	60	66	57	47	48	50	56	60	67	60	60	60	57	60	61	54	55	66	66	65	65	64	66	65	63	64	64	64	65	62	60	60.5
Bethlehem	Maximum	80	85	84	77	85	87	92	92	92	90	94	92	90	89	85	86	92	91	84	85	87	85	77	78	83	82	90	91	90	88	88	86.8
	Minimum	60	66	55	54	61	64	55	63	69	67	68	65	61	67	66	60	62	70	70	68	66	70	70	67	68	69	66	72	72	68	68	65.5
Brookville‡	Maximum	69	78	76	75	80	82	86	90	82	84	83	83	85	81	76	79	84	75	83	84	86	84	76	83	87	88	80	84	78	83	77	81.8
	Minimum	52	60	44	43	42	47	48	56	63	59	54	61	50	58	60	47	49	58	58	50	56	60	63	61	57	58	59	60	63	53	56	55.0
Butler	Maximum	68	83	88	89	88	87	94	94	91	89	87	90	89	87	80	85	88	85	89	91	86	89	87	90	93	94	91	86	86	87	87	87.7
	Minimum	62	55	45	50	45	50	58	62	70	65	62	65	55	60	61	49	63	59	61	62	61	63	67	60	59	63	64	64	65	64	67	59.9
Carlisle	Maximum	78	84	81	80	86	90	93	96	96	95	96	88	92	89	88	90	96	91	86	89	90	85	82	83	85	88	94	90	92	90	91	88.8
	Minimum	63	65	52	51	52	58	56	64	68	65	63	66	63	70	67	59	59	63	67	71	70	68	67	64	66	65	64	69	67	68	69	63.8
Chambersburg	Maximum	76	87	82	81	87	90	93	96	90	94	94	91	89	87	87	89	93	88	86	89	82	86	89	84	86	89	91	90	91	86	91	87.9
	Minimum	62	66	57	52	50	56	60	64	68	66	69	68	61	69	67	58	61	67	68	70	68	67	69	65	63	67	64	68	68	64	68	64.2
Chambersville	Maximum	73	85	79	81	82	87	90	92	87	88	87	85	86	81	80	82	86	78	84	87	86	87	82	86	88	90	86	87	82	86	82	84.6
	Minimum	59	62	52	57	45	49	56	61	66	62	58	62	54	63	60	48	52	49	62	63	61	60	63	63	61	60	59	63	65	51	63	58.4
Claysville	Maximum	77	82	79	76	81	85	88	90	88	87	88	86	89	80	84	82	86	83	84	86	86	86	83	86	90	90	89	88	84	80	87	85.0
	Minimum	62	65	60	54	48	51	59	62	71	64	64	62	60	67	59	49	54	63	62	63	62	61	67	61	57	63	63	64	71	52	67	60.9
Clearfield	Maximum	73	82	80	79	84	87	90	93	88	89	86	85	87	83	84	83	88	78	86	91	90	88	75	89	87	94	84	89	85	87	88	85.5
	Minimum	51	63	41	44	45	51	52	59	64	60	58	63	55	62	62	51	54	62	62	63	62	63	63	62	61	62	60	59	65	63	54	57.9
Coatesville	Maximum	82	85	70	69	69	89	88	92	86	93	95	87	90	86	88	87	91	90	86	87	85	81	79	81	85	80	90	93	92	87	91	85.6
	Minimum	59	65	54	52	55	60	57	62	66	66	68	63	64	68	64	63	62	68	69	67	66	68	65	66	68	69	65	69	70	68	69	64.4
Corry	Maximum	77	80	84	82	83	84	91	93	88	87	81	85	90	85	76	84	86	80	86	89	85	87	84	86	90	88	86	87	80	85	75	84.6
	Minimum	60	58	42	42	43	52	45	62	47	55	61	60	49	63	55	42	55	62	53	51	57	59	60	58	53	60	56	60	63	50	55	54.5
Coudersport	Maximum	68	77	74	76	81	82	89	90	82	85	83	85	85	79	75	81	83	77	86	86	88	84	76	87	85	90	83	85	81	85	78	82.1
	Minimum	61	59	60	55	40	47	40	54	62	58	70	60	66	56	58	48	48	61	58	68	57	67	58	58	57	57	65	60	69	65	52	57.9
Donora*	Maximum	72	87	83	84	85	89	94	95	89	93	94	90	90	83	85	90	91	74	86	90	88	90	78	92	92	95	93	89	85	85	88	87.7
	Minimum	67	69	64	60	54	58	66	69	73	68	70	68	66	70	63	56	62	69	70	68	68	65	70	68	65	67	68	71	66	62	72	66.2
Ebensburg	Maximum	72	76	78	77	80	79	85	84	83	82	82	82	80	78	78	81	76	72	77	81	82	80	74	79	80	82	73	80	79	80	80	79.1
	Minimum	60	61	53	48	46	50	56	62	65	62	65	61	57	62	61	50	52	61	60	63	62	61	63	61	62	61	60	62	64	53	64	59.0
Emporium	Maximum	71	78	78	79	82	85	89	92	84	87	84	85	86	83	77	81	85	78	86	86	87	87	78	86	85	90	83	87	81	86	80	83.4
	Minimum	58	63	43	45	46	52	47	60	63	61	61	64	56	61	62	50	55	64	61	64	62	64	65	62	62	62	61	64	66	56	58	58.6
Ephrata	Maximum	81	88	80	83	88	91	96	95	88	95	95	92	91	89	88	90	95	88	87	92	89	85	78	86	91	88	95	98	94	90	95	89.7
	Minimum	64	66	54	52	53	56	57	64	71	65	68	66	64	70	67	61	63	70	69	72	68	69	69	66	65	70	67	70	73	68	69	65.4
Erie*	Maximum	68	72	75	74	78	80	90	93	82	83	80	80	90	83	71	78	85	75	81	85	79	82	80	82	87	89	84	90	77	83	79	81.1
	Minimum	64	62	57	56	58	65	64	72	72	68	69	68	65	71	61	58	69	67	65	67	69	67	67	67	66	71	70	70	67	66	68	66.0
Franklin‡	Maximum	68	80	78	79	82	86	89	91	86	86	85	84	85	83	75	81	85	81	87	89	86	85	82	86	88	87	81	86	79	84	77	83.3
	Minimum	49	62	49	48	49	51	53	55	62	60	61	63	55	56	58	48	49	56	59	58	59	61	62	61	58	61	60	61	62	52	54	56.5
Freeland	Maximum	72	75	70	72	78	79	83	85	81	84	87	81	81	80	79	76	84	78	77	82	79	79	72	75	78	79	84	84	84	81	79	79.3
	Minimum	57	61	49	48	55	60	54	63	64	64	66	64	62	65	64	51	55	62	65	67	64	62	62	61	64	64	62	67	65	62	65	61.1
George School	Maximum	80	84	83	78	85	88	88	91	91	92	92	85	88	86	86	86	91	88	81	79	83	79	80	76	83	82	88	92	90	87	90	85.5
	Minimum	60	67	56	52	56	62	58	63	67	67	70	65	65	69	67	64	63	71	71	69	69	69	70	64	66	68	65	70	72	70	69	65.6
Gettysburg	Maximum	78	84	83	79	86	88	90	93	89	95	94	92	92	86	87	88	94	91	85	86	84	83	81	80	84	83	89	90	93	85	89	87.1
	Minimum	62	62	58	55	53	58	61	64	69	66	68	68	64	69	65	61	62	68	69	70	68	68	67	65	67	68	65	69	71	68	77	65.3
Gordon	Maximum	76	77	79	75	82	85	88	90	89	89	90	86	86	85	82	83	89	80	82	85	83	82	78	80	82	83	89	86	87	85	87	83.9
	Minimum	59	63	44	45	45	49	54	59	63	63	58	64	56	65	63	53	53	65	67	61	65	65	68	62	66	63	60	64	68	58	53	59.4
Greensburg	Maximum	74	83	88	79	79	85	85	91	86	85	86	84	82	80	79	82	85	79	83	83	83	90	87	88	90	89	85	85	82	87	83	84.1
	Minimum	63	65	58	52	54	56	63	66	69	65	67	65	64	67	63	54	58	65	67	66	65	62	68	67	64	64	65	71	71	58	69	63.6
Greenville	Maximum	72	84	85	84	85	91	94	96	90	90	88	89	89	86	79	86	87	80	90	92	88	89	88	90	93	92	89	92	81	90	85	87.5
	Minimum	62	65	47	47	47	54	54	63	67	59	63	62	55	65	57	47	57	65	56	56	59	60	64	60	57	61	63	62	59	52	62	58.8
Grove City	Maximum	70	83	79	80	83	87	91	92	86	85	83	81	86	75	80	81	84	77	88	92	85	86	84	87	91	87	85	86	83	87	86	84.2
	Minimum	52	63	54	50	52	55	59	68	64	62	65	62	58	59	55	50	60	63	60	61	63	62	63	51	61	72	64	64	65	55	62	59.8
Hamburg	Maximum	82	82	78	76	75	86	86	90	94	91	95	85	92	86	90	88	90	88	84	82	79	76	72	76	82	85	90	94	92	87	88	85.2
	Minimum	62	65	62	72	63	64	60	63	68	67	70	66	66	70	66	65	64	72	70	70	66	70	70	71	74	78	80	82	72	72	66	68.6
Harrisburg*	Maximum	77	80	76	78	84	86	88	91	86	93	91	89	87	85	85	87	90	82	82	83	85	82	74	80	83	81	90	88	89	86	88	84.7
	Minimum	65	65	60	58	57	62	60	67	70	66	69	65	66	71	68	65	64	71	70	72	70	70	67	66	68	69	66	71	72	69	70	66.7
Hawley	Maximum	77	80	76	75	83	84	87	91	88	89	90	85	88	82	82	85	91	76	79	89	83	82	74	80	85	86	91	89	88	86	85	84.1
	Minimum	56	62	42	42	44	51	41	53	60	57	58	61	52	57	62	49	50	64	65	65	63	63	66	59	59	60	59	62	66	57	56	56.8
Holtwood*	Maximum	82	83	77	79	84	86	88	91	81	91	93	88	89	86	86	88	90	88	84	86	84	82	78	86	86	79	88	90	91	87	91	85.9
	Minimum	66	70	62	60	59	64	66	69	70	70	66	67	70	72	64	70	70	73	73	72	72	72	70	70	73	70	70	72	73	73	73	69.1
Huntingdon	Maximum	76	83	80	79	83	87	89	94	88	90	91	86	89	85	83	85	91	82	85	89	85	85	75	86	87	88	89	85	86	86	87	85.6
	Minimum	60	65	50	47	46	50	55	60	66	63	58	65	58	65	63	55	65	66	65	67	66	65	67	65	64	63	64	66	65	58	64	61.2
Johnstown	Maximum	76	85	88	85	84	88	92	94	89	90	91	87	86	83	83	85	89	86	84	88	88	90	77	90	88	92	90	85	82	86	87	86.7
	Minimum	61	65	60	51	50	53	59	62	66	62	61	64	59	66	63	55	58	64	66	66	65	63	65	63	63	62	62	66	66	59	66	61.6
Kylertown*	Maximum	70	75	76	75	80	83	87	87	80	85	84	82	84	80	77	79	84	71	81	85	86	83	73	84	81	86	84	86	81	85	82	81.2
	Minimum	62	59	48	47	45	52	51	63	64	62	58	62	56	63	58	49	54	61	60	63	64	63	64	63	61	62	60	64	61	54	63	58.6
Lancaster	Maximum	82	88	87	83	86	91	91	92	88	96	96	93	90	85	89	88	93	88	86	86	85	82	80	83	85	86	91	91	92	88	90	88.1
	Minimum	60	65	50	49	55	53	53	60	66	62	63	64	62	67	63	59	60	66	67	68	66	67	65	64	64	64	62	65	68	65	67	62.2
Lawrenceville	Maximum	75	77	74	76	86	83	89	93	91	87	85	83	87	85	78	87	88	86	86	85	85	86	84	86	87	90	86	88	86	88	83	84.8
	Minimum	58	59	42	44	44	53	43	53	65	59	60	61	57	59	60	50	52	62	62	62	61	64	65	60	61	61	62	65	66	56	58	57.5
Lebanon‡	Maximum	81	83	78	79	85	87	90	94	87	93	94	88	90	86	87	87	92	85	87	86	87	83	75	80	85	83	92	92	91	87	90	86.6
	Minimum	58	66	52	56	52	57	57	66	69	66	66	66	64	70	67	60	63	69	69	70	68	68	68	66	67	68	65	68	73	66	69	64.8
Lock Haven	Maximum	78	77	79	78	84	89	87	93	90	89	90	89	89	88	83	82	89	80	84	89	88	84	84	84	87	90	89	89	88	86	85	85.8
	Minimum	60	64	48	49	49	55	53	62	68	63	62	66	59	65	65	56	56	65	65	64	67	67	70	64	65	65	64	68	69	60	63	61.8
Marcus Hook*	Maximum	88	86	82	89	93	92	97	94	99	100	89	94	91	88	92	97	92	89	88	87	85	84	83	86	84	89	95	95	92	91	93	90.5
	Minimum	70	60	58	63	68	65	66	73	74	76	68	71	76	66	69	71	73	73	72	71	72	72	67	66	73	66	74	74	72	75	76	70.0
Meadville	Maximum	67	78	76	77	80	83	90	90	83	85	83	81	84	80	72	80	84	72	86	89	85	86	84	86	89	89	82	86	76	84	74	82.0
	Minimum	63	46	47	47	53	52	62	67	58	62	61	55	65	51	48	52	65	57	53	59	60	59	59	56	60	61	63	66	54	55	66	57.5
Mercer*	Maximum	67	78	76	75	79	83	87	89	87	84	83	82	84	81	74	80	84	78	86	87	84	84	82	84	88	86	86	86	77	82	77	81.9
	Minimum	61	63	52	47	49	54	45	53	62	62	64	60	55	62	57	46	58	64	57	56	58	60	60	57	60	62	62	61	56	41	58	56.7
Midland	Maximum	71	81	80	77	82	84	91	91	86	89	83	85	86	84	79	84	87	78	85	87	85	86	85	86	96	91	88	89	82	85	84	84.7
	Minimum	61	66	61	54	56	56	61	64	68	65	63	67	62	66	60	55	57	65	63	64	66	65	68	65	62	66	67	67	69	59	68	63.1
Montrose	Maximum	71	74	70	72	78	76	82	87	81	84	81	80	83	79	75	78	85	81	83	85	83	79	77	80	83	84	84	83	84	80	83	80.2
	Minimum	57	59	48	46	51	60	48	60	63	61	63	62	58	61	61	53	58	63	61	64	65	61	64	62	60	63	62	64	67	58	61	59.5
Mount Pocono	Maximum	71	72	65	67	76	75	81	84	78	81	83	79	79	76	75	76	80	70	72	80	78	75	69	72	77	78	85	82	82	80	79	76.7
	Minimum	56	61	44	43	48	56	46	57	63	59	60	63	56	64	63	49	52	63	63	64	65	68	65	58	63	62	60	62	68	59	59	58.5
Muncy Valley	Maximum	73	74	77	78	81	79	84	89	80	83	84	85	82	80	81	83	85	80	84	87	84	82	77	76	83	84	87	85	84	81	84	81.8
	Minimum	58	62	51	47	56	57	44	56	61	55	56	58	54	60	59	60	59	56	58	60	65	64	63	60	62	65	62	63	56	63	66	58.6
New Bloomfield	Maximum	78	80	76	79	84	87	91	94	86	92	92	87	89	86	84	87	92	82	84	87	87	86	76	83	85	85	90	89	90	87	90	86.0
	Minimum	62	65	46	54	47	51	52	60	67	61	59	66	58	64	68	54	55	67	66	68	66	66	69	62	64	63	62	68	64	61	63	61.2
New Castle	Maximum	69	82	81	80	82	86	93	93	88	89	88	85	88	85	85	85	88	86	86	90	88	89	89	89	91	88	88	90	88	88	80	86.4
	Minimum	63	66	53	49	51	62	58	64	69	63	65	64	58	67	57	52	58	66	60	58	61	62	65	64	59	60	65	66	67	64	56	61.0
Palmerton*	Maximum	81	81	77	78	85	86	90	93	86	93	92	88	88	86	86	85	90	82	80	87	85	79	74	81	86	83	92	90	92	90	90	85.7
	Minimum	60	56	48	50	52	56	49	62	67	66	66	67	60	67	64	58	58	70	69	70	68	69	67	66	68	67	65	67	72	68	67	63.2
Philadelphia*	Maximum	81	85	78	78	84	89	87	91	88	94	93	86	89	83	86	85	90	86	85	82	82	77	79	75	84	78	90	90	90	86	88	85.1
	Minimum	62	67	64	61	65	66	69	67	71	74	71	69	75	74	65	72	73	72	71	71	70	71	68	66	67	70	68	74	73	72	73	69.4
Phoenixville	Maximum	81	83	83	78	85	87	88	92	90	94	96	94	90	89	89	87	91	90	87	85	84	83	79	78	83	83	88	92	92	90	89	87.1
	Minimum	61	68	52	50	52	57	54	63	68	65	69	66	64	70	68	62	62	73	72	77	74	76	71	68	68	70	68	69	70	73	69	66.1

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Daily Temperatures for July, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Pittsburgh*	Maximum	67	84	78	76	82	86	91	93	82	86	88	86	86	80	79	83	88	75	84	87	88	89	79	88	90	91	88	88	81	86	84	84.3
	Minimum	64	65	60	55	58	61	64	69	70	67	68	67	66	66	63	59	61	64	66	67	66	62	66	66	65	67	66	69	68	61	69	62.5
Quakertown	Maximum	82	80	78	76	82	84	86	90	86	90	93	87	86	83	85	82	88	86	81	81	83	79	78	77	81	81	87	89	90	84	87	83.9
	Minimum	57	52	50	48	50	55	59	59	63	62	65	63	60	65	67	58	58	67	69	69	63	68	68	65	66	67	63	67	69	65	65	62.0
Reading*	Maximum	79	81	76	77	82	85	88	91	83	90	92	85	88	84	84	84	90	85	82	85	82	78	76	78	84	82	89	90	91	87	88	84.4
	Minimum	63	66	57	56	60	65	60	67	70	70	66	65	67	71	67	65	65	71	70	70	67	69	67	67	68	67	66	72	69	69	71	66.5
Retreat	Maximum	78	75	74	60	80	83	84	90	85	85	89	85	84	84	82	78	87	75	83	85	90	82	77	81	84	83	88	86	83	83	84	82.2
	Minimum	59	63	42	47	47	53	46	57	61	61	62	64	59	64	64	55	55	66	66	66	66	64	67	60	62	63	63	65	67	61	60	59.8
Ridgway‡	Maximum	75	68	74	74	74	79	80	86	89	80	83	80	80	82	80	73	78	82	75	83	83	84	84	76	84	86	88	80	85	80	83	80.3
	Minimum	43	45	41	42	42	46	45	56	63	58	56	62	51	55	60	46	49	55	58	58	57	59	63	59	56	59	60	60	63	53	55	54.0
Salisbury(near)	Maximum	76	78	75	73	77	79	85	87	80	82	85	79	80	76	74	76	82	72	77	80	80	82	68	80	79	81	82	84	79	76	82	78.9
	Minimum	58	61	56	49	50	54	59	61	65	59	59	60	58	61	58	53	55	62	61	64	59	60	62	60	60	59	63	63	64	61	63	59.3
Scranton*	Maximum	77	77	75	75	82	81	88	92	87	86	89	85	86	84	81	81	89	76	85	87	86	84	74	81	86	85	88	88	88	85	88	83.7
	Minimum	64	58	50	52	51	59	60	61	68	65	64	67	59	66	67	56	57	69	68	70	67	64	68	64	65	66	66	68	70	67	63	62.9
Selinsgrove	Maximum	76	80	78	78	82	86	87	92	88	89	90	86	86	85	83	82	88	83	84	88	88	83	78	81	84	84	90	86	86	85	87	84.6
	Minimum	60	58	54	56	60	58	62	70	68	68	60	66	61	66	65	55	56	65	64	62	68	66	68	61	67	68	65	70	68	60	65	63.2
Somerset	Maximum	65	76	74	73	75	77	84	87	85	81	82	80	78	77	72	76	79	79	75	77	77	70	70	83	77	79	79	82	80	78	78	77.6
	Minimum	57	60	56	41	59	42	51	53	63	60	55	60	52	63	59	47	46	57	62	60	59	55	63	60	55	54	56	61	64	56	64	56.5
State College	Maximum	72	77	77	78	81	85	87	90	83	88	89	84	86	82	80	81	87	74	83	86	85	84	76	85	84	86	86	85	82	86	85	83.0
	Minimum	51	63	48	49	51	57	54	61	68	61	62	65	60	62	64	55	57	61	63	62	65	62	63	64	62	62	63	64	64	58	63	60.1
Stroudsburg‡	Maximum	83	81	76	74	86	81	85	90	92	88	89	88	88	85	86	87	89	81	86	85	85	78	79	76	88	88	89	90	87	89	92	85.2
	Minimum	55	51	53	50	54	49	46	52	58	54	55	65	57	62	63	56	54	61	68	69	68	67	67	65	69	65	63	66	67	62	64	59.8
Towanda	Maximum	73	79	74	76	84	80	86	92	86	89	86	84	87	86	81	83	89	72	85	88	85	84	76	84	87	89	87	87	86	86	86	83.8
	Minimum	63	63	46	46	46	52	44	57	65	59	59	62	56	60	63	53	54	64	64	65	60	64	66	64	64	65	64	65	68	59	60	59.4
Uniontown	Maximum	75	82	82	81	83	86	92	93	87	89	89	86	86	80	81	84	88	83	84	85	87	89	82	90	90	91	93	90	85	84	90	86 0
	Minimum	63	64	65	55	53	53	61	63	70	66	67	66	62	67	65	55	58	68	68	68	65	62	68	67	63	63	66	67	71	64	69	63.9
Vandergrift*	Maximum	70	87	84	81	85	92	91	94	92	92	91	89	89	85	84	85	88	78	85	90	88	90	79	88	93	92	92	89	84	88	85	87.1
	Minimum	61	62	59	52	51	55	61	65	69	66	62	65	61	67	60	54	56	66	65	60	65	65	69	68	68	64	64	67	62	57	69	62 5
Warren	Maximum	67	74	77	78	84	84	92	95	82	86	80	84	88	86	74	84	82	79	84	88	83	85	80	85	87	88	85	85	78	84	76	82.7
	Minimum	61	62	46	48	47	53	48	62	67	59	63	64	55	63	61	48	54	64	58	58	61	62	63	61	60	63	60	64	65	54	58	58.5
Waynesburg	Maximum	75	81	82	80	84	88	91	90	88	84	88	87	89	79	80	82	87	82	83	85	83	85	81	88	88	90	90	89	84	82	89	85.0
	Minimum	63	65	64	53	50	53	61	63	71	64	65	67	62	68	64	52	54	67	67	67	62	61	67	66	60	62	65	65	70	57	69	62.7
Wellsboro	Maximum	70	75	72	76	81	82	85	90	83	84	83	83	85	82	77	81	85	74	85	85	85	85	75	83	84	87	84	85	82	82	80	81.6
	Minimum	59	61	43	44	45	53	45	58	61	58	61	64	57	58	61	52	54	62	63	61	62	64	67	64	61	61	63	65	65	56	58	58.4
West Chester	Maximum	82	83	79	79	85	87	90	91	85	92	94	86	89	85	84	85	91	90	86	87	85	79	79	77	84	86	89	91	91	90	90	86.2
	Minimum	60	66	57	53	57	59	60	64	67	67	71	65	65	70	64	64	67	69	70	71	68	70	69	66	68	70	66	68	70	68	71	65.8
Wilkes-Barre*	Maximum	78	80	76	68	85	84	88	93	86	87	89	86	87	85	83	82	89	81	84	87	86	84	76	82	86	86	90	89	90	86	86	84.5
	Minimum	62	66	49	48	50	58	47	62	69	62	62	66	58	66	66	55	56	69	68	68	69	65	70	62	63	64	64	66	70	62	62	62.1
Williamsport	Maximum	77	78	74	77	83	85	88	93	90	89	89	86	87	85	82	83	88	84	86	89	86	86	83	82	86	89	89	88	86	88	86	85.2
	Minimum	64	65	46	49	51	57	49	60	68	63	62	66	60	65	65	55	55	66	64	65	68	67	72	63	65	65	65	68	70	60	61	61.9
Williamstown	Maximum	77	83	85	84	81	86	88	92	94	92	90	85	85	86	83	91	95	91	81	86	87	81	79	84	84	84	90	90	87	87	90	86.4
	Minimum	60	61	51	49	55	62	60	65	65	62	63	61	63	65	62	59	61	65	64	66	65	63	61	60	64	64	62	68	64	61	66	61.8
York	Maximum	78	86	82	78	85	88	91	91	89	93	94	89	91	86	87	88	93	91	86	87	85	81	80	82	85	81	90	89	91	86	90	86.9
	Minimum	64	66	52	50	51	51	57	65	70	65	65	68	62	68	65	60	62	67	70	70	69	68	67	66	66	65	64	67	71	66	69	64.1

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	29.95	30.15	4	29.68	14	6.5	22	w.	8	78	67	64	79
Harrisburg	29.96	30.10	25	29.71	14	6.1	27	w.	29	80	56	61	56
Philadelphia	29.99	30.14	24	29.75	14	11.2	37	nw.	11	79	60	65	58
Pittsburgh	29.98	30 12	30	29.78	14	7.9	22	sw.	1	83	54	58	65
Reading	29.97	30.12	22	29.73	14	8.6	33	nw.	11	79	58	66	69
Scranton	29.96	30.11	25	29.69	14	5.5	19	nw.	31	80	53	63	65

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	3.5	9.3	22	2.2	18	18
Easton	Delaware	4.6	14.3	23	1.9	18	22
Lehighton	Lehigh	4.8	6.9	24	3.0	18	9
Wilkes-Barre	Susquehanna	2.7	5.3	24	1.7	16	20
Williamsport	Susquehanna	1.7	8.7	1	0.9	31	20
Harrisburg	Susquehanna	3.9	5.0	1	3.4	19	18
Greensboro	Monongahela	11.4	17.0	24	10.3	11	30
West Newton	Youghiogheny	1.1	6.9	24	0.0	7	20
Lock No. 4	Monongahela	11.5	12.8	1	10.9	22	30
Pittsburgh	Ohio	.....	16.9*	12	16.2*	1	25
Midland	Ohio	......	16.1*	9	15.0*	21	30

* Pool stage.

51.05
NP

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA. PA.

VOL. XLIII. AUGUST, 1938. No. 8.

GENERAL SUMMARY.

This was the warmest August since that of 1900, due to a vast mass of tropical air that moved northward from the Gulf Region and overspread the eastern portion of the country. Temperature extremes were not unusual, the highest for the State being 100 degrees, but the daily means were almost constantly above the normal throughout the month, and the persistent heat became very enervating. The temperature peak was reached in all parts of the State on the 15th and 16th. The rainfall averaged a little more than two-thirds of the August normal, with the greatest deficiencies in the southwestern portion of the State where a harmful drought condition prevailed near the close of the month. Despite the large deficiency for the State, as a whole, there were several small regions where local thundershowers were heavy. However, the real severity of these storms was not so much in the rainfall as it was in the damaging winds and lightning. On the 1st a severe thunderstorm occurred in the region of Scranton. The attendant rainfall was light, but a powder plant near Moosic was struck and fired. The resulting explosion was felt and heard over a radius of twenty miles. Fortunately no lives were lost, but three men were seriously injured. The property damage was invoiced at $67,000. On the 7th, local torrential rains occurred in Erie County. Fields were flooded and washed, and highway traffic was delayed. The crop loss was considerable, but no reliable estimates could be had. On the 17th a severe thundershower occurred in the Harrisburg region. The rainfall was only moderately heavy, but the lightning was severe. Two dwellings, a barn, and a silo were struck and fired, and large factory chimney was destroyed. The loss of the barn and its contents was estimated at $6,000, and of the chimney at $400. Lightning struck two gasoline pumps in Bonneauville, and stunned a youth who was standing about twenty feet distant. Crops generally made fair to good progress in about three-fourths of the State, but were seriously stunted in the southwestern portion. The drought condition extended east to include Bedford and Blair Counties. The effects were most severe on grasslands, and pastures and meadows became very short. It also interfered with the earing of the corn crop, and in many places a yield of nubbins was the result. Truck crops also suffered severely, and many gardens became a complete loss.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 90 stations, was 73.8°, or 3.5° in excess of the 51-year normal. The highest monthly mean was 80.2° at Marcus Hook, and the lowest, 63.8°, at Gouldsboro. Extremes for the month ranged from a maximum of 100° at Marcus Hook on the 14th and 15th, and at Carlisle and Ephrata on the 15th, to a minimum of 36° at Somerset on the 30th. The greatest daily range in temperature was 55° at Butler on the 22d.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations made at 169 stations, was 2.90 inches, or 1.33 inches less than the 51-year normal for the month. The greatest monthly amount was 8.53 inches at Arendtsville, and the least was 0.59 inch at Smethport. The greatest amount in any 24 consecutive hours was 4.44 inches at Phoenixville on the 17-18th.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.8	100	33	7.05	....	10	13	10	8
1889	67.4	100	37	3.24	....	8	15	10	6
1890	68.8	98	34	5.76	....	12	9	14	8
1891	69.6	99	35	5.09	....	12	8	12	11
1892	71.4	99	42	3.77	....	9	14	7	10
1893	70.4	99	30	4.50	....	8	14	10	7
1894	69.4	98	32	1.84	....	6	13	12	6
1895	72.3	101	32	3.23	....	9	15	11	5
1896	71.2	101	35	2.22	....	8	14	11	6
1897	67.9	97	34	3.17	....	9	14	11	6
1898	72.3	99	37	6.60	....	12	11	11	9
1899	71.2	101	38	4.01	....	7	14	10	7
1900	75.0	103	38	3.33	....	9	14	12	5
1901	72.0	99	42	6.81	....	11	10	12	9
1902	67.8	100	34	2.62	....	8	13	13	5
1903	67.2	99	36	5.29	....	14	9	12	10
1904	68.0	96	34	4.36	....	9	15	10	6
1905	69.6	95	36	5.71	....	12	12	12	7
1906	73.2	96	39	5.62	....	12	10	12	9
1907	68.0	97	32	2.94	....	10	16	9	6
1908	69.4	102	30	3.22	....	7	15	10	6
1909	69.4	100	34	2.31	....	7	16	9	6
1910	69.8	98	35	2.61	....	6	14	10	7
1911	71.4	102	36	7.63	....	13	11	8	12
1912	67.1	93	36	5.02	....	14	9	12	10
1913	70.4	102	38	2.69	....	8	17	9	5
1914	71.3	100	34	3.85	....	11	13	11	7
1915	68.0	99	34	6.71	....	15	10	11	10
1916	71.9	103	32	2.57	....	8	17	10	4
1917	71.2	101	38	6.69	....	10	15	10	6
1918	73.6	108	32	4.12	....	11	16	10	5
1919	68.2	94	35	5.43	....	12	13	10	8
1920	70.2	95	37	4.66	....	15	9	12	10
1921	68.4	97	35	3.83	....	9	17	8	6
1922	69.1	100	31	3.14	....	10	15	9	7
1923	69.2	96	30	3.10	....	9	15	11	5
1924	70.1	102	31	3.78	....	9	16	10	5
1925	69.7	97	26	2.28	....	7	18	9	4
1926	71.9	103	32	5.69	....	15	11	8	12
1927	65.5	92	34	4.12	....	12	12	10	9
1928	73.4	99	35	4.60	....	12	13	11	7
1929	67.7	98	31	2.52	....	7	17	8	6
1930	70.3	108	29	1.47	....	7	15	10	6
1931	71.1	104	40	4.01	....	12	11	10	10
1932	71.6	103	34	2.82	....	8	19	8	4
1933	70.8	104	38	7.61	....	12	13	9	9
1934	68.6	98	30	4.94	....	11	14	8	9
1935	71.3	98	31	3.91	....	11	13	10	8
1936	73.2	102	37	4.96	....	12	13	11	7
1937	73.5	101	40	5.43	....	12	13	9	9
1938	73.8	100	36	2.90	....	8	17	10	4
Period	70.3	108	26	4.23	....	10	13	11	7

Climatological Data for August, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	75.2	+3.3	95	15	53	25	32	2.25	−2.65	0.95	0	6	19	12	0	sw.	John A. Frick.
Altoona	Blair	1,615	51	72.8	+3.6	93	15†	49	26	37	1.16	−2.33	0.42	0	7	21	6	4	w.	John J. Martin.
Ardmore	Montgomery	350	18	73.0	+0.8	90	15	55	26†	28	6.88	+1.21	3.44	0	10	12	10	9	......	H. L. Balderston.
Arendtsville	Adams	700	16	75.6	+3.2	98	16	52	26	37	8.53	+3.78	2.32	0	10	24	2	5	nw.	Harold J. Miller.
Bedford	Bedford	1,060	6	73.2	....	95	15	43	26	46	1.47	....	0.74	0	5	22	3	6	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	77.7	+4.5	97	3†	56	26	34	4.60	+0.15	2.12	0	8	22	3	6	w.	Lehigh University.
Carlisle	Cumberland	467	72	77.6	+4.7	100	15	52	26	38	2.86	−1.86	1.35	0	5	28	3	0	nw.	Prof. C. E. Miller
Center Hall	Center	1,272	42	71.2	+2.7	91	3†	51	13	33	4.31	+0.38	1.70	0	7	25	5	1	......	Edward E. Bailey.
Chambersburg	Franklin	580	39	76.7	+4.4	99	16	53	25	36	3.09	−0.73	1.53	0	6	15	16	0	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	74.1	+3.9	95	3†	44	30	47	2.46	−1.66	1.07	0	12	17	9	5	w.	John Hess.
Coatesville	Chester	380	51	76.0	+3.3	96	16	53	26	33	3.93	−0.80	2.17	0	8	13	11	7	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	72.5	+2.2	92	15	49	26	30	2.26	−2.83	1.13	0	8	25	5	1	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	72.2	+4.6	94	3	44	30	42	1.95	−2.03	0.65	0	8	23	5	3	w.	C. E. Koppenhefier
Ephrata	Lancaster	380	46	78.2	+5.9	100	15	53	26	36	1.82	−2.44	0.80	0	6	22	5	4	s.	Ira J. Keath
Freeland	Luzerne	1,970	45	71.8	+5.1	91	17	52	25†	28	3.29	−1.11	1.54	0	6	7	5	19	nw.	Andrew B Evansha
George School	Bucks	190	32	75.9	+3.9	95	15	54	25†	32	2.98	−2.06	1.79	0	9	22	3	6	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	76.8	+4.6	97	15	49	27	41	3.72	−0.60	2.30	0	9	22	8	1	se.	Dr Henry Stewart
Gordon	Schuylkill	840	34	72.0	+3.7	94	16	46	26	34	4.97	+0.81	1.85	0	6	23	8	0	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	63.8	+0.8	80	15	42	26	28	2.20	−2.11	1.19	0	6	25	3	3	w.	Ronald H. Marshall.
Hamburg	Berks	535	45	......	....	93^{i}	3†	59^{i}	21	29^{i}	......	....	......	0	....	....	....	....	......	State Sanatorium.
Hanover	York	600	34	77.2	+3.6	95	15†	55	26	30	3.99	−0.53	2.91	0	7	22	7	2	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	77.2	+4.6	95	15	57	26	27	4.28	+0.24	1.64	0	7	13	14	4	w.	U. S. Weather Bureau.
Hawley	Wayne	900	20	70.6	+2.6	94	3†	45	26	41	2.30	−1.79	1.28	0	7	24	6	1	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	78.4	+3.5	95	15	61	26	25	2.01	−1.91	0.56	0	7	19	9	3	......	H. W. Lowy. C. E.
Huntingdon	Huntingdon	650	51	74.0	+3.3	95	15	48	26†	42	3.25	−0.63	1.23	0	8	20	9	2	w.	Prof. Paul R. Yoder
Kylertown	Clearfield	1,694	7	71.1	....	90	16	46	29	38	2.11	....	0.68	0	11	6	17	8	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	76.0	+3.7	97	16	50	26	34	3.04	−1.04	1.11	0	8	25	5	1	sw.	Supt. of Water Works
Lawrenceville	Tioga	1,000	41	71.9	+3.6	95	3†	45	26†	41	2.55	−0.92	1.43	0	5	21	9	1	......	C. P. Darling.
Lebanon	Lebanon	469	54	76.8	+4.6	98	15	51	28	33	4.79	+0.36	2.20	0	6	25	5	1	w.	Lebanon Valley Gas Co
Lock Haven	Clinton	580	48	75.4	+3.9	97	15	50	30	39	1.18	−2.83	0.36	0	7	15	15	1	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	12	80.2	+3.9	100	14†	60	25	27	5.80	+0.28	2.85	0	5	22	6	3	sw.	Sun Oil Co.
Montrose	Susquehanna	1,620	33	70.2	+6.5	90	16	48	26	28	3.74	−0.33	2.30	0	8	14	11	6	nw.	Philip F Chamberlain.
Mt. Pocono	Monroe	1,720	32	68.5	+4.4	87	16	48	26	30	1.51	−2.75	1.10	0	6	7	10	14	n.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	26	71.4	+3.4	94	15	48	13†	35	3.13	−1.50	2.22	0	5	25	6	0	w.	H. O. Hacker.
Neshaminy Falls‡‡	Bucks	60	49	75.0	+3.2	94	15	54	26	31	4.39	−1.48	2.73	0	12	20	3	8	sw.	Philadelphia Sub. Water Co.
New Bloomfield	Perry	679	....	73.9	....	97	15	48	26	37	4.20	.....	2.16	0	9	23	8	0	w	J. Earl Sheaffer
Palmerton	Carbon	398	20	73.9	+3.2	94	15	52	25†	36	5.64	+1.68	2.43	0	9	20	11	0	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	78.4	+3.6	95	16	63	26	22	4.10	−0.52	1.63	0	12	12	10	9	sw.	U. S. Weather Bureau
Phila. Navy Yard	Philadelphia	20	22	78.6	+3.8	96	15	60	26	23	2.62	−2.66	1.44	0	9	14	9	8	sw.	Navy Aerological Office
Phœnixville	Chester	100	28	76.2	+2.4	95	15	51	26	31	6.78	+1.43	4.44	0	7	22	6	3	sw.	Philadelphia Sub. Water Co.
Quakertown	Bucks	496	53	73.2	+2.8	92	3†	50	25†	34	3.11	−1.98	1.56	0	8	23	6	2	w.	John E. Benner.
Reading	Berks	273	68	77.1	+4.7	94	15	57	26	26	2.58	−1.63	1.41	0	8	13	14	4	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	746	44	73.6	+3.8	93	17	53	26	31	1.62	−2.07	0.98	0	9	10	16	5	n.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	74.3	+2.9	95	16	51	26	35	2.08	−1.76	1.33	0	7	15	14	2	sw.	Dr. George E. Fisher
Shawmont‡‡	Philadelphia	51	42	76.9	+2.7	94	15	56	26	27	4.23	−0.88	2.40	0	8	16	9	6	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	77.4	....	97	17	52	26	35	1.73	....	0.87	0	5	12	16	3	w.	State Teachers College
State College	Center	1,217	54	73.4	+4.6	93	15†	49	30	38	0.86	−2.62	0.22	0	9	21	10	0	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	75.2	+5.5	96	16	50	31	36	4.85	+0.65	2.00	0	6	29	0	2	w.	State Teachers College
Towanda	Bradford	754	44	72.4	+4.0	95	15	49	26†	34	4.60	+1.17	2.02	0	11	20	6	5	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	70.8	+4.4	94	15	45	26†	38	0.77	−2.41	0.34	0	7	24	7	0	nw.	George W. Hill.
West Chester	Chester	455	89	76.1	+4.0	96	15	54	26	30	3.29	−1.71	1.26	0	10	18	9	4	sw.	Harlan Saylor.
Wilkes-Barre (Airport)	Luzerne	544	....	73.8	....	95	17	51	28	35	1.73	−2.05	0.61	0	7	9	18	4	nw.	U. S. Airways Station.
Williamsport	Lycoming	521	52	74.8	+3.8	97	15	54	13†	39	4.81	+1.08	3.95	0	7	21	10	0	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	75.6	+4.8	95	16	54	26	31	2.23	−1.68	1.37	0	4	25	6	0	sw.	Susquehanna Collieries Co
York	York	400	50	75.6	+3.0	96	15	52	26	33	3.89	−0.17	2.69	0	7	24	7	0	sw.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	70.6	+4.3	96	15†	40	14†	52	2.02	−1.82	0.68	0	9	15	7	9	......	Frank S. Fawcett.
Butler	Butler	1,077	25	72.3	+2.3	96	3	39	22	55	1.98	−1.92	0.82	0	5	25	4	2	w.	William C. Faust.
Chambersville	Indiana	1,047	37	71.8	+1.8	93	3	42	29	45	1.95	−1.97	0.67	0	7	20	9	2	sw.	John E. Lewis.
Clairton	Allegheny	1,020	6	73.4	....	91	16†	50	29	35	3.91	....	1.50	0	9	13	5	13	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	72.6	+0.9	91	3†	45	25†	39	1.74	−2.03	0.62	0	8	25	2	4	n.	J. L. Melvin.
Corry	Erie	1,430	25	70.4	+3.4	94	3	39	29	46	3.53	−0.46	1.10	0	7	24	6	1	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	69.5	....	92	3	39	26†	48	1.77	−1.52	0.60	0	11	24	4	3	nw.	Philip R. Shaw
Derry	Westmoreland	1,172	41	74.5	+3.8	94	4†	48	29†	38	4.52	+0.45	1.93	0	11	18	11	2	sw.	Ted R. Wineman.
Donora	Washington	762	12	77.0	+2.9	95	2†	53	25	37	2.05	−1.67	0.69	0	9	5	17	9	w.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	69.5	+2.7	89	6	45	31	42	1.71	−2.31	0.59	0	10	22	7	2	sw.	D. H. Jones.
Franklin	Venango	957	64	70.4	+1.9	92	3†	46	29	39	2.93	−0.76	1.40	0	8	2	3	26	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	74.0	+3.0	94	16	50	25†	34	1.46	−2.65	0.32	0	9	12	17	2	sw.	Westmoreland Water Co
Greenville	Mercer	950	42	74.2	+5.1	96	3	41	29	50	1.83	−1.64	0.94	0	7	20	10	1	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	72.8	+4.1	94	3	47	29	36	2.07	−1.40	0.62	0	6	19	10	2	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	74.2	+3.5	94	3	47	25†	41	3.82	+0.04	1.10	0	8	26	5	1	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	74.6	+3.2	93	3†	47	29†	42	2.60	−1.92	1.03	0	8	22	6	3	w.	Robert Tross.
Kane (near) ‡‡	Elk	2,020	6	67.8	....	89	3	42	26	36	3.73	....	1.00	0	10	18	13	5	w.	U. S. Forest Service.
Lycippus ‡‡	Westmoreland	1,420	46	71.8	+0.9	86	16	52	25	26	3.52	−0.90	1.10	0	7	10	17	4	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	70.2	+2.6	91	3†	40	28	44	4.30	+0.77	1.96	0	8	7	14	10	s.	Paul F. Coy
Mercer	Mercer	......	....	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	U. S. Airways Station.
Midland	Beaver	691	1	73.8	....	95	16	54	25†	28	6.79	....	2.77	0	8	7	19	5	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	73.4	+3.0	94	3	44	29	42	3.06	−0.42	1.19	0	9	16	14	1	w.	New Castle Water Co.
Newell	Fayette	800	18	73.6	+1.6	96	7	49	25	38	2.53	−1.11	1.10	0	7	14	9	8	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	74.7	+1.8	94	16	54	29	30	2.86	−0.57	1.14	0	9	10	15	6	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	68.9	+1.7	92	4	43	30	40	1.81	−1.61	0.53	0	9	19	9	3	s.	West Penn. Power Co.
Salisbury (near)	Somerset	2,680	21	69.5	+3.3	88	20	49	25	29	1.20	−3.08	0.53	0	5	5	25	1	w.	J. D. Beachy.
Sharon ‡‡	Mercer	940	25	74.1	+3.1	94	3†	47	29	39	2.00	−1.57	1.05	0	3	24	4	3	s.	Harry H. Gerber.
Somerset	Somerset	2,190	71	66.1	−1.0	85	2†	36	30	43	1.91	−3.00	0.56	0	9	10	14	7	nw.	D. L. Grove.
Uniontown	Fayette	1,100	50	75.2	+3.3	96	16	48	25†	41	1.53	−3.18	0.48	0	9	20	8	3	sw.	Wm. W. Marsteller.
Unity Reservoir	Westmoreland	1,240	29	72.4	....	92	15†	46	25	37	2.25	−1.95	0.86	0	10	2	22	7	nw.	Westmoreland Water Co.
Vandergrift	Westmoreland	825	24	75.4	+4.0	97	16	48	29	39	2.66	−1.24	0.98	0	8	22	7	2	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	70.9	+3.2	92	3	45	26	36	3.03	−0.72	1.03	0	13	10	13	8	w.	Harold L. Johnson
Waynesburg	Greene	1,035	7	74.2	....	93	3†	47	25	43	1.47	....	0.47	0	8	0	27	4	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	75.0	+5.4	94	16	56	26	26	3.68	+0.41	1.34	0	9	16	12	3	sw.	U. S. Weather Bureau.
For the State¶		......	51	73.8	+3.5	100	14†	36	30	55	2.90	−1.33	4.44	0	8	17	10	4	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete. ¶ From all available records.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

‡‡ Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Kane (nr), Kane, RFD

W. B. O. Philadelphia-10-11-38-1050.

Daily Precipitation for August, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown	Lehigh	T.	.31				T.	.49		.01		.34	.15						.95	T.				T									2.25
Altoona	Juniata	.14				.15		T	.13	.42	.11	.12						T.														.09	1.16
Ansonia‖	W. Br. Susq	.10	.07									.39							.02				.27										0.85
Ardmore‡	Lower Del	.40			.14	.31	.23	1.29	.06		.22	.01						3.44														.78	6.88
Arendtsville ‖	Lower Susq	1.93	.04	.13	T.	.12	.45	.50	.89	T.	.12	T.						2.03														2.32	8.58
Baker's Summit	Juniata	.21	.02					.34	.01	.39	.10	.47																				.44	1.98
Bald Eagle ‡	Middle Susq	.18							.34		.82	.06						.06														.14	1.60
Bedford	Juniata	.28						T.	T.		.74	T.				.25		.15	.05													T.	1.47
Bellefonte	W. Br. Susq	.33						.78	.09	T.	.64	.05						.50	.30													.27	2.96
Berwindale‡	W. Br. Susq	.10			.15		.78		1.55		.47	.13																				.26	3.54
Bethlehem	Lehigh		.13				.16		T.			.62						1.42	2.12					.04				.02	.09				4.60
Big Knob‖	Middle Susq		.39					.37		.15		1.38							1.12														3.41
Bloserville†‡	Lower Susq	.70				T.	1.01				.60	.12						.95														.60	3.98
Buffalo Mills‖	Potomac	.42	.16					.19				.96					.05																1.78
Carlisle	Lower Susq	.18				T.	.05		T.		1.22	.06							1.35														2.86
Carter Camp‡	W. Br. Susq	.30									.17	.17						.11				.20									.28	.25	1.48
Center Hall	Susquehanna	.38						1.08	.11		.42	.26						.36	1.70														4.31
Chambersburg	Potomac	.83									.09	.02						.09	1.44													.62	3.09
Clearfield	W. Br. Susq	.06			1.07	.01		.37	.21	.03	.21	.13						.03	.01				.02									.31	2.46
Coatesville	Lower Del.	.36					2.17		.49		.28							.23					.02					.02				.36	3.93
Colebrook	Lower Susq	.24							.03	.09	.15	.05						.42	1.13													.15	2.26
Conshohocken	Schuylkill		.20		.08			1.61	.11		T.	.05						.39	.98				T										3.42
Doylestown	Lower Del		.28				.25	.02	.01			.15						.11	.44					T.									1.26
Driftwood‡	W, Br. Susq	.14			.22		.53				.18	.21						.07														.29	1.64
Du Bois	W. B. Susq	.26			.61	.01		.48	.16	.32	.15	.16						.60														.03	2.78
Emporium	W. Br. Susq	.26			.59			.26				.13					.06	.59					.02									.04	1.95
English Center‡	W. Br. Susq	.22	*	*	*	*	*	*	*						*	*		.67														.15	§1.04
Ephrata	Lower Susq	.55	T.				.06		.01		.80	T.						.26	.14														1.82
Forest City‖	N. Br. Susq	.22	.42						T.			2.20						41															3.25
Fredericksville	Schuylkill	.14	T.		T.	.20	.82	T.	.44		.40	.04					.12	.89	.17														3.22
Freeland‖	Lehigh	.31	1.54					T.		T.	T.	.73	.02					.01	.68				T.	T.									3.29
Galeton	N. Br. Susq	.32				.02		.04			T.	.38					.01	.09					.18								.01	.10	1.15
George School	Lower Del		.09		.02	T.	.10	.30	.42			.03						1.24	.55					.23									2.98
Gettysburg	Potomac	.29	.02	.02			.11	.01	.90		.06	.01							2.30													T.	3.72
Girardville‖	Lower Susq	.83									.27							2.69														.68	4.47
Gordon	Lower Susq	1.85							.25		.62	.05						.85	1.35														4.97
Gouldsboro‖	Lehigh	1.19	.30									.65						.01	.03	.02													2.20
Graterford	Schuylkill		.26					.89	T.			.16							1.52					T.									2.83
Hamburg	Schuylkill	.39					.02				.57							.75	.50														§
Hanover	Lower Susq	.91	.04	T.			T.		T.	.01	.11	.01						.55	2.36										T				3.99
Harrisburg***	Lower Susq	.13	T.		T.	.98	T.		.27		.44	.02						1.64	T.													.80	4.28
Hawley‖	Upper Del	.09	.26						T.	.24	.25	1.28							.17	T.				.01									2.30
Hollisterville‖	Upper Del	.13	.62				T.	T.		.13	T.	.71							.59						T.								2.18
Holtwood‖	Lower Susq		.21		.05			.44	.56	.15		.09							.51														2.01
Huntingdon	Juniata	.19			T.			.15	.67		.44	1.23						.17	T.		T.							.30				.10	3.25
Huntsdale‡	Lower Susq	.40					.09		.16		.98							.65														.90	3.18
Hyndman‖	Potomac	.32	.10			.04		.53		T.		.63	T.					.03	.56														2.21
Kylertown	W. B. Susq	.02			.06		T.	.58	.22	T.	.37	.12					T.	.01	.07					.01			.03		T			.52	2.11
Lakeville‖	Upper Del	.12	.46		.04				T.		.10	.90	T.			T.			.47														2.09
Lancaster	Lower Susq	.20	.03				.52				.52	.06						.38	.22													1.11	3.04
Lansford‖	Lehigh	.07	.76				T.	T.		.32	.03	.68						1.76	1.79														5.41
Lawrenceville	N. Br. Susq	.42									.05	1.43						.05					.60		T								2.55
Lebanon	Lower Susq	.55				2.20			.04		.22							.62														1.16	4.79
Lehighton‖	Lehigh	.36	.82					.76		.16		.84	T.						.54					.07									3.55
Lewistown	Middle Susq	.14			T.			.24	.73		.14	.04						1.43														T.	2.72
Lock Haven	W. Br. Susq	.09				.36		.19	.06		.19	.01							.28														1.18
Marcus Hook	Lower Del		.05			T.		1.28	1.52		.10								2.85														5.80
Matamoras‖	Upper Del		.52							.20	.06	1.39						.12														.58	2.87
Mauch Chunk	Lehigh																																......
Millersburg‡	Lower Susq	.50							.02		.30							1.50	.12													.98	3.42
Millville‡	N. Br. Susq						.10		.30		.70	.20					.10	.91														.07	2.88
Montrose	N. Br. Susq	.22						.09	.06		.01	2.29						.64	.39				.04										3.74
Morris Run	N. Br. Susq	.10				.42			.50			.76						.45	2.20														4.43
Mount Pocono	Upper Del	.06					T				.10	1.00					.10	.10	.15													T	1.51
Mt. Union‡	Middle Susq	.03			.90		.72	.05			.92	.38						.57														.20	3.77
Muncy Valley	W. Br. Susq	.48						.13				.19					.11		2.22														3.13
Neshaminy Falls‖	Lower Del	.17	.03		.10	.27	.29	.29	.04		.02							2.63	.10				.05									.40	4.39
New Bloomfield	Juniata	.38				.19	.93	.11	.10		.18	.02							2.16													.13	4.20
New Park	Lower Susq	.05	.05		.54				.52		.12							2.09														1.58	4.95
Newport‖	Juniata	.08	.65				.25	.10		.20		.10							2.40														3.78
Orwigsburg	Schuylkill	.77							.34		T.	.40	T.					.19	.52													.66	2.88
Palmerton‡	Lehigh	.51				.06	.24		2.43		.45	T						1.04	.18				.05									.68	5.64
Paupack‖	Upper Del	.14	.15							.48		.73						.14	.40						.03								2.07
Philadelphia***	Lower Del	.17	.04		.11	T.	24	1.45	.02		.04	.02						.77	.64				.01									.59	4.10
Phila. Navy Yard‡	Lower Del	.13	.12		T.	T.	T.	T.	.03		.05							1.42	.02				.12					.01				.72	2.62
Phila-P'nt Breeze‡	Lower Del		.23		T.		.34	1.42			.13							.15	2.86				.02									.68	5.83
Phoenixville	Schuylkill		.16					1.13	.48			.18							4.44					.22					.17				6.78
Pine Grove	Lower Susq	.75							.12		.40	.06						1.00	.17				.04									1.72	4.26
Pleasant Mt.	Upper Del	.87		.02			.01	.01	.01		3.61								.33					.02								.24	5.12
Port Clinton	Schuylkill			.30									.40						1.00														1.70
Pottstown	Schuylkill	.18				.06		T.	.02		.38	T						T.	1.56													.50	2.70
Pottsville	Schuylkill	.87	.03						2.95			.33							.67														4.85
Quakertown	Lower Del		.14			.34	.66	.02	.01			.38						1.13	.43														3 11
Reading***	Schuylkill	.17				.05		T.	.02		.35						.10	1.36	.05													.48	2.58
Renovo‖	W. Br. Susq	.13	.03			.09		.32				.31	.08						.32														1.28
Retreat	N. Br. Susq	T.					.01			.02	.30	.25					T.	.14															0.72
Scranton***	N. Br. Susq	.10				.03		T.	.19	T.	.65	.33						.16	.04				T.		.03			T.		T	T.	.09	1.62
Selinsgrove	Lower Susq	.35						.13			.21	.01						.04	1.33									.01					2 08
Sellersville‡	Lower Del	.30				.41	.80				.36							.71	.63													.60	3.81
Shade Gap‡	Middle Susq	.20			.05		.10				.25	.07						.64														.24	1 55
Shawmont	Schuylkill		.25		.24	.12		.45	.57			.16						T	2.40					.04									4.23

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Daily Precipitation for August, 1938—Continued from page 44

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq	.20	T.		.14			.02			.87								.50														1.73
State College	W. Br. Susq	.04						.11	.10		.17	.06						.11	.04							.01						.22	0.86
Stroudsburg‖	Upper Del	.75				2.00	.40					.85	.05						.80														4.85
Sunbury‖	Lower Susq	.04	.13			.09		.50		T.		.11			T			.11	.72					.03									1.73
Susquehanna‖	N. Br. Susq	.16	.50							.08		2.56							.43				.14		.01								3.88
Towanda	N. Br. Susq	.33	.01					T.	.96		.13	1.00						.57	1.45				.02		.01	.10					T.	.02	4.60
Weikert	Lower Susq	.18					.10	.20			.30								1.46													.08	2.32
Wellsboro	N. Br. Susq	.04				.02					.02	.34						.06				T.		.17								.12	0.77
Wernersville[near]	Schuylkill	.23				.67						.75						1.30															2.95
West Chester	Lower Del	.46	.04		.01		.20	1.26	.32		.22	.10						.04	.61														3.29
Westgrove‖	Lower Del		.72	.02				1.19	.03	.32	.60	.31							.22					T.									3.31
Wilkes-Barre§	N. B. Susq	.20	T.	.30			T.	T.	.45		.12	.49						T.	.16				T.								T.	.01	1.73
Wilkes-Barre‖.¶	N. Br. Susq	.85	.05		.12		.06	T.		.32		1.00							.19				T.			T.						T.	2.69
Williamsport‖	W. Br. Susq	.12	.18			.01		.19				.32			.04				3.95													T.	4.81
Williamstown	Lower Susq	.58							.04		T.	.24						T.	1.37														2.23
York	Lower Susq	.40	.05				.08			.46	.21								2.69														3.89
York Haven‖	Lower Susq		.26							.09		.49							2.30														3.14
Zionsville..(near).	Schuylkill		.20			.45	1.00					.30						.55	1.10					.24									3.84
Trenton, N. J***	Lower Del	.12	T.		.43	.06	1.32	.10	T.		.03	.01					T.	.91	.01													.67	3.66
Ohio Drainage																																	
Beaver Falls‖	Beaver	.72	.05		.06	.83		.17	1.20	.20		.69							T.						T.								3.92
Blairsville	Allegheny	.11	.08			.83		T.		.26		1.04	.23					.04	.18									.15					2.92
Bradford	Allegheny	.66	.02		.14			.12			.11	.50					.28	.02	.04												.18		2.07
Brookville‖	Allegheny	.18	.68			.05		.40	.13	.02		.21	.12				T	T.	.23														2.02
Buckstown‡	Allegheny	.26			.14						1.00						.17	.10														.21	1.88
Butler	Ohio	.50			.32		.30		.82			.04																					1.98
Chambersville	Allegheny	.11						.67	.52		.46	.06								.05												.08	1.95
Clairton‡	Monongahela	.61			.17		1.60	.16	.17		1.00	.06						.28														.06	3.91
Clarion	Allegheny	.28	.18			09		.40	.12			.29	.13						.08														1.57
Claysville	Ohio	.21		.02		.26		.22	.62	.10	T.	.09				.22																T.	1.74
Confluence‖	Youghiogheny		.30					.05		.48		.16	.03						.40														1.42
Connellsville	Monongahela		.03		.03	.13		.44		.46		T.	T.				.01		.05														1.15
Corry	Allegheny	1.02			.23			21			.14	.56						1.10								.27							3.53
Coudersport	Allegheny	.23			.26			.08	.22		.18	.42					.08	.08	.03				T.								.16	.03	1.77
Derry	Conemaugh	.13		.15		.05		1.60	.12	T.	1.93	.03				.05		.16	.02													.28	4.62
Donora‖	Monongahela	.27			.17		.67	.02	.36		.05	.02						.34														.15	2.05
Dunlo‡	Allegheny	.07			.29	.01	.05	.05	.30		.31	.47																			.31		1.86
Ebensburg	Conemaugh	.06			T.			.49	.10	.06	.32	.02						.49	.10									.01				.06	1.71
Franklin‖	Allegheny	.63	.14			.07		1.40	.02			.26					.08		.33														2.93
Greensboro‖	Monongahela	T.	.13		T.	.15		.16		.11		T.							.23														0.78
Greensburg	Youghiogheny	.14				.12		.27	.08		.32	.02				.03	T.	.28	T.				T.				T.					.20	1.46
Greenville	Beaver	.94			.22			.32	.01		.07	.26						T.	T.			.02									T.		1.83
Grove City	Beaver	.62			.10		.45		.26			.59						.05				T.										T	2.07
Irwin	Monongahela	.81				.25		1.10	.11		.23	.07						.85														.40	3.82
Johnstown	Conemaugh	.07				T.		.41	.13	.15	1.03	.38						.16														.27	2.60
Kane (near) ‡‡	Allegheny	.15	.01		.63		T.	1.00	.45		T.	.68					.29	.32	.04				T.			.16							3.73
Kregar‖	Youghiogheny	.05		T.	.04		.82		.10		.57	.06				.02		.08														1.37	3.11
Lake Lynn‖	Monongahela		.43			.04		.20		.22			.02				.07		.01													.52	1.51
Linesville‖	Beaver	05		T.	.13			1.36	.10			.72					.35	T.	.06				T.			T.							2.77
Lock No 2‖	Ohio	.38	.20			.09		.47	.91	.12		.60					.05		.08														2.90
Lock No. 4‖	Monongahela	.12	.20			.18		.79		1.04		.01					.03	.02	.19														2.58
Lock No. 5‡‡‖	Allegheny	.03	.46			.14		.67	.12	.19		1.01	.10						.07														2.79
Lycippus	Conemaugh	.33		T.	T.	.07		.92	.10		1.10	T.				T.		.60														.40	3.52
Marienville‡	Allegheny	.16			.05		.75	.36																									1.32
McKeesport‖	Monongahela	.28	.14			.17		1.59		.14		.90	.01						.82														4.05
Meadville	Allegheny	1.20	.07			.08		1.96	.14			.56					.04		25				T.									T.	4.30
Mercer	Ohio	.27			.18		.53	.02	.18		.07	.28																					1.53
Midland	Ohio	.83			1 50	.54		56	2.77	.02	.40	.17																					6.79
Mosgrove‖	Allegheny	.04	.64			.08		.19	.13	.58		.45	.03				.03		.20														2.27
Mount Lebanon	Ohio	.40			.17			.14	.29		.92	.10						.34									T.					T	2.36
Natrona‖	Allegheny	.03	.19			.16		.19	.02	.19		1.27	.01						.15														2.21
New Castle‖	Beaver	.49	.01		1.19	.01		.05	1.02			.27						.01	.01													T.	3.06
Newell	Monongahela	.06			.10		.67	1.10										.20				.10										.30	2.58
Parkers Landing‖	Allegheny	.42	.05			.16		.34	.31			.32	T.						T.				T.										1.60
Pennline‖‡‡	Beaver	.98	.21			.30	.63		.36			.64					.40		.10				.02										3.64
Pittsburgh***	Ohio	.10			.15		1.13	.01	.17		.64	.07						.68	T.								T.					.01	2.86
Punxsutawney‖	Allegheny	.03	.18			.06		1.10	.05	.46		.29	.09				.33		1.15														3.74
Ridgway	Allegheny	.03	.18			.53		.19		.36		.19	.03						.28					.02									1.81
Rochester‡	Ohio	.42			.44		.59	.04	.67		.24	.10																					§
Salisbury (near)	Youghiogheny	.13	T		T.				.07			.03					.53	.44															1.20
Saltsburg‖	Conemaugh	.01	.28			.09		1.70	.01	.27		2.14	.63				.65	.26	.53									.09					6.66
Seward‖	Conemaugh	03	.33					.75	T.	.32		1.27	.67				.01		.14														3.52
Sharon‖	Beaver	1.05	T.						.48			.47																					2.00
Sharpsville‖	Allegheny																																
Smethport‖	Allegheny	.30	.14									.10					.05																0.59
Somerset	Youghiogheny	.38						.05	.12		.45	.06				.08		.09	.47													.21	1.91
Springdale‖‡‡	Allegheny	.12	.18			.12		.12		.10		.38	.29				T		.16														1.47
Titusville‡	Allegheny	.52			1.35	.05	1.04	.10	.06		.02	.26																					3.40
Union City‡	Allegheny	.06			1.23		.87		.26		.27	.13				.64										.71							4.17
Uniontown	Monongahela	.24		.23	T.	.03		.34	.48		.01	.01						.07														.12	1.53
Unity Reservoir‡‡	Youghiogheny	.11				.14		.86	.06		.39	.03				.14	T.	.36	.01													.15	2.25
Vandergrift‡	Conemaugh	.20			.14		.61	.12	.57		.98	.02						.02															2.66
Warren	Allegheny	.55			1.03		.25	.10	.02		.09	.61				.05	.08	.04	.01				.02			T					.18		3.03
Waynesburg	Monongahela	.16		.32		.05		.17	.15	.32									.14													.16	1.47
Westford‖	Beaver	.08					.46	.02			.36							.05															0.97
West Newton‖	Youghiogheny	.02	.24			.14		.35		.18		.35	T.				T.	T.	.43				T.										1.71
Lake Drainage.																																	
Erie***	Lake Erie	.07			.33		1.34		.73		.52	.13					T.	T.				.30	.06			.20						T.	3.68
Raymond‡	Genesee	.26			.06						.40	.06				.29		.17	.02														§

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement. ‡ Mdt. to mdt. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. ‡‡ Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airways Station. ¶ River Station.

Daily Temperatures for August, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	85	88	88	90	86	89	88	86	86	85	82	76	83	89	93	93	92	80	86	91	88	86	85	79	76	81	84	82	85	88	86	85.7
	Minimum	65	67	63	66	65	66	64	65	62	62	66	58	54	58	65	70	66	62	55	57	59	65	54	65	50	49	55	51	52	51	50	59.9
Bedford	Maximum	87	89	90	91	90	92	91	89	88	89	81	79	85	92	95	94	91	81	89	91	90	88	88	85	78	80	86	85	87	90	91	87.8
	Minimum	66	65	64	67	65	65	65	67	62	60	66	58	50	52	62	68	64	63	51	55	56	60	58	69	46	43	48	49	50	44	54	58.6
Bethlehem	Maximum	91	93	97	95	97	95	92	92	91	88	89	89	87	90	96	96	94	81	86	92	90	91	91	86	78	81	87	86	88	91	86	89.7
	Minimum	72	71	71	72	74	71	73	72	67	65	69	64	60	68	70	78	70	68	59	60	61	63	59	71	58	56	60	57	58	57	65	65.7
Brookville‡	Maximum	76	85	89	88	85	87	85	83	85	83	86	85	90	90	96	95	95	85	86	90	96	85	85	85	77	85	85	85	84	94	87	86.8
	Minimum	65	65	58	63	64	64	62	61	60	57	61	49	45	40	50	62	62	60	48	52	53	61	49	57	47	46	50	46	40	42	39	54.5
Butler	Maximum	75	89	96	92	89	90	91	90	89	87	86	80	86	91	92	95	95	91	90	93	94	94	80	79	79	79	84	83	89	89	85	87.8
	Minimum	67	67	61	71	67	65	65	63	63	63	71	58	50	56	65	63	73	51	45	48	47	39	54	55	49	50	44	42	45	49	56	56.8
Carlisle	Maximum	92	94	96	98	95	92	95	92	95	92	87	83	90	95	100	97	98	80	88	91	92	94	91	86	80	85	93	89	87	94	92	91.4
	Minimum	71	70	66	70	70	70	68	70	66	70	70	61	56	61	65	74	70	64	62	65	54	64	59	70	57	52	58	54	56	56	56	63.7
Chambersburg	Maximum	90	91	90	93	92	91	93	92	94	90	86	85	88	92	97	99	96	81	88	89	90	91	88	85	81	84	90	88	89	92	91	89.9
	Minimum	71	70	68	71	69	70	69	69	68	65	70	64	54	58	68	72	71	64	55	61	60	64	58	70	53	54	57	56	56	56	58	63.5
Chambersville	Maximum	78	88	93	90	88	90	88	88	87	87	84	78	83	89	92	91	91	79	86	89	90	86	85	79	77	82	86	84	83	89	90	86.1
	Minimum	68	67	62	67	64	64	63	64	60	60	69	55	47	54	64	67	66	60	49	44	56	64	55	51	45	48	53	46	42	44	57	57.6
Claysville	Maximum	85	88	91	90	84	89	89	87	88	87	83	85	84	88	90	91	89	82	87	91	88	84	87	83	77	83	83	88	84	88	85	86.2
	Minimum	68	67	63	70	62	62	65	66	69	65	68	56	49	55	68	66	73	59	50	57	57	65	57	66	45	45	50	49	45	49	56	59.0
Clearfield	Maximum	79	92	95	92	92	92	91	88	91	87	86	82	87	91	94	93	92	87	92	95	91	96	88	85	83	85	87	88	90	91	87	89.1
	Minimum	66	63	61	65	65	64	68	69	61	62	67	54	50	55	61	67	67	59	51	72	58	65	54	55	51	50	52	51	48	44	56	59.1
Coatesville	Maximum	90	90	94	91	90	88	89	89	89	89	87	79	86	90	95	96	93	79	84	87	89	89	88	82	81	84	91	84	89	88	88	88.0
	Minimum	71	70	68	70	71	70	70	71	68	64	69	63	57	61	66	74	67	64	60	57	58	60	60	69	56	53	58	59	58	59	59	63.9
Corry	Maximum	80	90	94	90	90	90	91	90	88	78	80	79	85	90	91	89	89	81	89	91	86	85	85	76	75	80	79	81	85	85	79	85.2
	Minimum	65	56	62	66	59	57	60	60	57	52	66	51	50	55	67	65	65	57	51	50	57	60	48	56	51	40	49	50	39	47	51	55.5
Coudersport	Maximum	80	87	92	87	88	87	90	88	86	82	81	76	84	82	90	90	88	79	86	88	86	85	85	75	72	80	80	81	82	87	81	84.0
	Minimum	67	57	59	63	57	55	70	69	57	55	66	55	45	49	57	62	64	57	51	53	51	60	46	58	44	39	44	53	50	39	52	55.0
Donora*	Maximum	85	95	93	92	90	95	92	92	94	92	86	83	89	94	95	94	94	83	88	90	92	90	88	82	78	86	86	86	86	91	90	89.4
	Minimum	70	69	67	72	68	70	70	72	67	70	66	62	58	64	72	73	74	63	60	64	66	68	63	58	53	56	62	57	55	54	62	64.7
Ebensburg	Maximum	75	84	87	87	84	89	87	84	83	82	78	75	80	83	85	88	87	75	74	86	86	82	80	78	72	75	78	80	84	85	87	81.9
	Minimum	66	65	62	65	63	62	63	65	62	62	65	51	51	55	55	58	55	58	50	54	61	64	52	60	46	49	55	49	48	55	45	57.1
Emporium	Maximum	78	88	94	91	88	93	89	88	88	84	83	79	83	89	92	92	90	82	87	91	88	86	86	78	75	81	83	82	86	86	82	85.9
	Minimum	68	64	65	65	63	59	65	63	61	61	69	54	50	56	61	66	67	60	63	55	57	64	52	59	51	47	51	56	47	44	59	58.6
Ephrata	Maximum	93	95	99	96	97	90	95	93	93	89	88	85	90	95	100	99	97	78	88	95	93	91	92	84	81	86	92	89	88	93	90	91.4
	Minimum	73	72	69	73	73	72	73	71	69	65	72	63	56	61	66	74	72	68	57	59	59	63	60	70	57	53	59	57	61	57	62	65.0
Erie*	Maximum	77	85	87	87	86	89	89	86	85	82	80	77	80	90	90	94	85	78	83	87	85	79	85	78	72	78	76	77	83	78	82	82.9
	Minimum	70	69	74	70	67	70	69	68	71	70	69	64	66	70	78	76	67	66	68	66	70	67	63	67	59	56	65	60	57	64	63	67.1
Franklin‡	Maximum	80	85	92	88	89	87	89	89	88	81	80	78	83	89	92	89	88	79	90	90	86	85	82	76	75	80	79	82	85	84	78	84.5
	Minimum	63	60	61	62	64	63	62	64	60	61	62	54	49	50	53	64	66	59	54	53	54	59	53	52	52	48	49	52	46	47	52	56.4
Freeland	Maximum	81	84	88	86	86	83	83	82	83	79	83	76	80	84	89	90	91	68	81	84	82	83	81	74	71	75	81	78	78	84	80	81.5
	Minimum	68	67	68	70	67	67	66	68	63	61	67	57	56	64	69	71	68	63	56	56	56	62	58	62	52	53	61	52	57	59	63	62.2
George School	Maximum	89	90	93	88	90	86	85	85	89	84	89	87	87	91	95	94	90	78	85	88	87	88	87	81	80	80	89	86	82	88	85	87.0
	Minimum	72	72	70	72	74	71	70	70	69	65	67	62	57	65	69	75	69	70	62	62	61	61	60	64	54	54	58	59	57	56	62	64.8
Gettysburg	Maximum	90	91	90	91	91	88	89	87	92	89	88	84	87	92	97	96	95	79	84	89	88	91	89	84	80	83	90	85	84	90	89	88.5
	Minimum	70	70	71	72	72	74	71	70	69	67	72	63	62	65	69	75	72	65	59	68	60	65	62	71	56	53	49	63	51	58	57	65.2
Gordon	Maximum	88	88	91	91	89	88	87	85	86	84	85	81	84	87	93	94	92	74	83	85	86	87	84	81	74	79	83	82	82	86	83	85.2
	Minimum	68	64	62	69	65	67	66	64	60	57	68	59	51	54	60	67	67	63	51	52	54	60	51	62	47	46	56	48	54	54	53	58.7
Greensburg	Maximum	76	90	92	88	84	88	90	86	89	84	81	78	84	90	91	94	88	80	87	92	89	87	85	80	78	82	84	83	84	85	90	85.8
	Minimum	70	69	66	71	65	66	65	67	65	66	71	60	53	60	69	71	69	63	55	60	63	68	58	66	50	53	60	53	50	51	57	62.3
Greenville	Maximum	85	93	96	95	91	92	94	92	93	93	83	83	88	92	94	94	92	85	92	94	92	89	86	85	79	82	82	85	91	92	82	89.2
	Minimum	66	60	64	69	65	65	64	68	61	62	70	55	50	58	68	69	65	57	55	55	60	62	50	63	50	46	54	50	41	52	57	59.1
Grove City	Maximum	77	90	94	91	89	85	88	86	90	89	79	82	80	86	88	90	85	82	91	89	92	85	82	80	77	81	80	82	76	85	82	84.9
	Minimum	65	65	66	69	65	63	63	65	64	64	68	55	54	61	69	69	68	57	55	58	64	63	52	62	52	50	57	52	47	57	62	60.7
Hamburg	Maximum	91	90	93	91	93	88	89	85	92	82	89	84	89	91	92	92	91	79	84	89	88	88	....	....	....	....	....	....	....	....	....	......
	Minimum	72	70	69	71	72	68	72	72	70	72	70	65	61	73	83	74	76	63	72	73	59	62	....	....	....	....	....	....	....	....	....	......
Harrisburg*	Maximum	89	91	91	93	92	86	89	89	90	87	86	80	86	91	95	95	93	77	85	89	86	88	87	80	76	83	88	83	82	88	87	87.2
	Minimum	71	72	71	74	73	72	72	69	72	69	71	68	62	64	70	77	71	67	62	64	66	66	65	67	59	57	62	62	61	62	64	67.2
Hawley	Maximum	87	90	94	93	90	87	88	80	84	82	87	78	84	89	94	91	91	74	83	88	87	85	87	75	76	78	85	80	81	85	84	85.1
	Minimum	65	63	60	61	66	57	65	62	57	54	67	56	49	53	57	67	66	64	49	49	53	59	46	61	48	45	49	46	46	50	53	56.2
Holtwood*	Maximum	91	88	90	91	90	87	86	86	91	88	87	81	84	91	95	93	90	77	84	88	90	88	86	81	77	82	90	86	86	86	88	87.0
	Minimum	75	75	75	77	77	77	77	76	74	71	76	65	64	66	73	78	74	66	64	68	66	69	69	64	62	61	65	67	65	64	68	69.9
Huntingdon	Maximum	86	90	92	93	91	93	90	87	90	88	86	79	85	91	95	93	92	82	88	90	89	89	88	82	77	84	86	84	87	90	89	87.9
	Minimum	65	65	65	67	68	67	67	67	64	63	68	57	52	55	61	70	69	65	52	55	58	65	53	69	51	48	55	49	51	48	54	60.1
Johnstown	Maximum	85	92	93	92	90	91	93	89	90	86	83	86	86	89	93	93	91	83	89	92	90	89	86	83	79	83	85	87	88	89	89	88.2
	Minimum	67	66	63	70	66	67	66	67	66	64	67	62	58	61	64	70	68	63	53	56	59	66	55	66	50	55	57	53	47	47	55	61.1
Kylertown*	Maximum	80	87	90	89	88	88	88	84	85	84	80	75	82	86	90	90	89	78	85	89	84	84	83	76	74	79	82	80	84	85	82	83.9
	Minimum	68	66	61	65	64	64	64	64	59	60	61	55	52	56	66	61	64	60	52	53	60	64	52	56	52	49	53	49	46	47	65	58.3
Lancaster	Maximum	91	93	92	90	91	87	91	88	93	87	89	88	89	93	96	97	94	79	90	92	89	92	89	86	81	84	90	87	85	89	87	89.3
	Minimum	70	69	65	68	69	70	68	67	64	64	70	63	55	59	64	71	70	67	66	58	57	61	58	68	55	50	56	54	57	55	58	62.8
Lawrenceville	Maximum	82	90	95	94	90	92	93	91	90	84	83	80	87	91	95	92	94	80	88	92	91	85	87	82	71	79	83	81	86	85	83	87.0
	Minimum	61	61	64	62	64	56	64	59	60	57	67	57	51	54	60	65	64	60	50	52	55	63	53	59	53	45	47	48	45	46	60	56.8
Lebanon‡	Maximum	92	91	93	93	94	89	90	87	90	89	87	81	89	92	98	97	97	77	85	90	90	90	90	82	78	84	91	84	85	91	90	88.9
	Minimum	72	71	70	72	71	70	72	71	68	65	70	62	56	61	67	73	73	66	57	59	62	65	60	68	56	52	60	51	61	60	63	64.6
Lock Haven	Maximum	90	90	94	93	91	91	89	89	93	88	88	86	89	91	97	96	96	89	90	90	90	91	90	86	79	84	87	85	87	89	86	89.5
	Minimum	68	66	65	66	67	63	67	67	64	62	70	57	53	58	62	70	68	66	55	58	60	68	55	66	57	53	57	53	53	50	59	61.4
Marcus Hook*	Maximum	91	95	88	91	93	91	88	93	91	92	88	90	95	100	100	96	90	87	92	92	91	92	89	82	85	89	88	84	87	89	89	90.6
	Minimum	74	75	76	77	76	72	73	73	70	74	66	63	69	75	79	76	70	64	65	66	68	68	73	61	60	68	68	62	62	69	69	69.7
Meadville	Maximum	79	85	91	86	88	86	90	86	86	80	78	77	76	87	90	91	85	78	85	91	84	82	81	74	72	78	75	80	85	82	81	82.9
	Minimum	59	63	69	63	62	65	66	61	63	69	55	53	59	57	66	73	59	56	54	59	62	51	55	53	45	50	50	40	41	54	50	57.5
Mercer*	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Midland	Maximum	80	86	90	90	84	89	87	86	87	87	82	80	82	87	90	95	89	80	86	87	86	83	82	78	73	79	79	80	80	85	81	84.2
	Minimum	68	68	67	67	66	66	66	66	66	67	66	61	60	60	70	70	71	62	59	63	63	69	60	66	54	55	59	56	54	57	61	63.3
Montrose	Maximum	81	84	88	87	85	86	87	81	80	79	80	75	80	85	89	90	87	77	80	83	84	80	80	72	71	73	79	75	80	82	78	81.3
	Minimum	65	62	64	65	66	62	66	62	61	57	66	55	53	58	61	69	68	60	53	56	59	62	53	58	53	48	55	51	53	55	55	59.1
Mount Pocono	Maximum	80	83	86	84	84	80	82	80	79	75	81	70	70	78	82	87	86	70	76	82	79	78	79	70	70	72	79	74	73	79	78	78.3
	Minimum	68	65	62	65	67	60	67	62	61	57	67	58	55	56	63	68	65	62	52	52	53	61	49	62	51	48	54	52	50	52	55	58.7
Muncy Valley	Maximum	82	86	90	89	90	87	88	87	84	83	87	84	81	92	94	90	91	92	84	81	85	83	81	78	79	78	83	81	83	82	81	85.0
	Minimum	58	63	61	60	65	60	62	64	61	60	67	61	48	62	64	67	62	61	56	58	59	55	54	51	53	48	48	49	53	50	54	57.9
New Bloomfield	Maximum	90	91	93	92	91	86	90	88	89	88	87	80	87	93	97	94	93	79	86	88	88	88	88	80	78	83	89	84	86	89	88	87.8
	Minimum	67	65	65	67	65	66	67	67	63	61	69	58	54	56	62	69	67	63	52	56	57	61	55	55	60	48	55	50	52	53	54	60.0
New Castle	Maximum	86	89	94	90	90	91	92	92	89	89	82	79	78	90	92	90	90	89	90	91	88	84	85	85	77	81	81	82	86	87	82	86.8
	Minimum	68	66	63	68	66	65	65	66	65	64	70	55	54	55	67	68	68	58	56	57	58	58	56	62	49	52	53	52	44	52	58	59.9
Palmerton*	Maximum	90	91	93	91	91	85	91	88	89	87	87	79	89	90	94	93	91	74	84	87	85	86	85	76	74	78	86	80	80	85	84	85.9
	Minimum	70	70	65	72	70	68	73	66	65	60	67	57	53	59	63	72	71	61	57	57	60	64	55	57	52	52	57	54	57	56	59	61.9
Philadelphia*	Maximum	89	90	94	87	87	87	84	83	90	86	87	81	85	89	94	95	88	81	87	89	87	88	86	81	79	79	87	83	82	87	85	86.4
	Minimum	73	73	76	75	76	75	70	73	73	72	73	69	67	71	74	80	73	68	65	69	68	68	71	68	64	63	67	68	65	66	67	70.3
Phoenixville	Maximum	90	90	94	90	90	90	87	89	89	87	89	87	86	91	95	93	92	87	85	86	87	86	87	84	78	82	89	85	82	86	85	87.7
	Minimum	71	71	69	76	72	73	71	70	68	65	76	63	55	61	66	72	76	69	58	58	59	62	58	68	53	51	61	57	57	55	62	64.6

Continued on page 47.

Daily Temperatures for August, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Pittsburgh*	Maximum	75	90	91	88	86	91	89	89	90	87	82	80	85	88	90	94	88	81	86	88	89	85	85	77	76	82	81	83	84	87	86	85.5
	Minimum	69	67	68	69	66	68	66	67	68	68	67	60	58	62	70	72	65	62	60	64	66	67	63	63	56	57	62	68	54	57	62	63.9
Quakertown	Maximum	89	90	92	89	91	82	86	85	86	84	87	83	83	88	92	91	90	76	83	85	86	85	83	80	76	79	86	82	81	85	75	84.8
	Minimum	70	67	69	70	70	69	70	69	64	60	68	60	52	59	63	71	68	68	57	55	56	59	54	68	60	50	56	52	54	61	68	61.5
Reading*	Maximum	89	89	93	90	92	88	89	86	89	86	86	79	86	89	95	95	93	75	86	87	87	88	86	79	77	81	86	83	83	88	84	86.6
	Minimum	72	72	74	74	72	72	75	74	70	69	71	66	64	68	73	78	70	66	63	63	63	67	65	65	60	57	65	61	61	62	67	67.7
Retreat	Maximum	83	85	90	86	84	83	83	77	79	81	80	80	82	82	87	87	84	76	78	74	79	79	84	77	70	69	78	78	70	76	80	80.0
	Minimum	67	66	65	66	67	66	66	65	64	60	68	60	62	57	61	68	69	65	56	54	55	60	63	61	52	50	55	51	64	54	56	60.1
Ridgway‡	Maximum	77	76	85	92	88	87	85	88	88	85	85	81	75	82	87	89	88	90	77	86	89	86	83	84	75	75	78	81	81	83	84	83.4
	Minimum	59	62	60	62	61	58	62	60	60	59	59	49	46	49	63	63	63	60	50	52	54	57	48	50	52	45	49	46	45	43	46	54.3
Salisbury(near)	Maximum	78	82	82	82	83	84	83	87	81	82	73	72	78	83	87	85	73	78	82	88	82	79	79	73	70	77	79	77	79	82	82	80.1
	Minimum	65	66	63	67	63	61	63	62	64	63	64	57	50	56	65	65	67	53	55	66	68	62	56	60	49	50	53	50	62	53	58	58.9
Scranton*	Maximum	89	88	93	93	87	90	88	82	84	83	86	76	84	87	93	93	93	72	84	86	88	86	85	74	73	77	84	78	82	85	86	84.8
	Minimum	71	70	67	68	69	66	71	67	64	61	70	60	56	60	65	76	72	61	56	67	59	66	54	60	56	53	57	54	56	56	60	62.5
Selinsgrove	Maximum	86	89	91	91	91	88	87	86	90	88	87	83	87	89	94	95	94	79	86	88	86	88	85	83	76	80	87	82	84	88	88	87.0
	Minimum	69	65	65	67	68	70	67	67	64	62	70	62	52	57	62	70	69	63	54	57	59	66	56	66	55	51	58	52	54	65	57	61.6
Somerset	Maximum	78	86	84	79	83	85	84	84	81	82	73	73	77	77	78	85	82	74	80	83	83	80	77	75	71	75	77	75	77	79	78	79.2
	Minimum	64	62	67	65	58	60	62	58	56	55	66	55	42	44	57	63	61	58	43	46	50	59	46	62	38	40	52	44	40	36	44	53.0
State College	Maximum	85	88	91	91	88	91	87	86	88	85	84	77	84	88	93	93	93	80	86	89	88	86	86	79	78	80	85	81	85	87	86	86.1
	Minimum	63	66	64	67	61	65	65	67	64	63	70	57	66	58	62	72	68	63	56	57	61	63	56	66	56	50	56	52	51	49	57	60.6
Stroudsburg‡	Maximum	91	92	93	92	92	87	89	87	86	83	89	90	88	83	92	96	90	90	87	90	86	86	86	86	78	80	78	88	83	78	79	86.9
	Minimum	66	68	63	63	68	66	69	67	66	66	70	62	63	65	68	71	69	68	69	65	58	69	66	68	56	53	62	52	66	53	50	63.4
Towanda	Maximum	86	88	92	92	89	89	91	81	86	84	85	78	86	89	96	94	92	77	84	87	88	86	85	75	76	78	84	78	82	85	82	85.2
	Minimum	68	62	63	64	67	57	67	68	61	60	68	58	56	55	61	69	66	62	63	56	64	66	62	61	56	49	60	50	49	51	60	59.5
Uniontown	Maximum	85	90	89	88	89	91	88	87	89	89	83	80	87	93	95	96	94	82	88	92	92	90	89	83	79	86	87	86	85	89	86	88.0
	Minimum	70	70	66	71	66	66	67	66	69	67	74	61	53	56	70	70	71	65	53	59	59	70	58	69	48	50	59	68	50	48	55	62.3
Vandergrift*	Maximum	80	90	96	93	93	91	92	89	91	90	86	82	87	94	96	97	95	84	90	92	93	89	87	83	88	83	87	87	87	88	93	89.5
	Minimum	70	69	65	69	67	68	66	68	66	65	65	59	54	58	68	70	67	60	55	60	61	64	68	55	51	54	57	52	48	49	58	61.2
Warren	Maximum	78	86	92	89	86	87	87	87	85	80	79	76	82	87	89	86	87	77	86	88	86	84	83	75	73	79	79	81	83	82	78	83.1
	Minimum	66	60	64	65	64	60	62	62	64	61	67	66	52	55	66	65	67	59	59	56	59	61	52	60	54	45	53	52	47	60	68	58.7
Waynesburg	Maximum	83	90	93	87	84	90	90	88	89	89	82	80	85	90	91	93	90	83	88	91	90	88	88	82	80	84	85	85	88	92	86	87.2
	Minimum	70	69	66	70	65	65	67	67	64	67	70	60	52	55	68	68	73	62	52	59	58	66	56	68	47	49	56	52	48	49	56	61.1
Wellsboro	Maximum	77	86	90	90	88	87	89	86	85	82	82	76	84	88	94	91	93	78	85	90	89	83	86	75	68	76	82	76	80	80	82	83.8
	Minimum	67	71	63	62	64	56	65	62	59	57	69	58	52	55	60	66	65	61	51	52	55	66	52	61	52	45	47	47	45	46	62	57.8
West Chester	Maximum	90	89	93	91	90	88	88	84	89	88	87	83	86	91	96	94	93	78	86	88	86	88	85	80	79	82	89	84	88	86	86	87.1
	Minimum	71	71	69	72	74	72	69	71	69	66	70	64	56	61	68	74	72	68	60	60	61	62	62	69	57	64	60	60	58	66	63	66.1
Wilkes-Barre*	Maximum	89	89	94	92	90	90	88	85	88	85	88	78	87	88	94	94	95	77	85	88	89	87	85	77	76	80	86	82	63	88	88	86.0
	Minimum	69	66	65	66	70	64	68	66	64	62	71	64	52	58	63	71	69	68	54	56	57	63	52	66	53	54	67	51	55	55	59	61.5
Williamsport	Maximum	88	90	95	93	92	92	91	88	90	88	87	81	88	90	97	96	94	80	87	90	89	86	88	84	76	82	86	82	85	89	85	88.0
	Minimum	69	67	65	65	69	63	68	69	62	60	71	58	54	54	58	70	69	66	57	57	59	67	56	69	56	56	66	64	54	54	60	61.6
Williamstown	Maximum	87	86	93	92	90	93	90	88	89	89	83	85	83	90	93	95	94	90	85	89	90	87	86	83	79	78	86	87	84	88	87	87.7
	Minimum	65	66	68	68	68	66	65	68	64	63	67	59	59	64	69	72	71	65	57	61	63	64	59	67	55	54	61	66	58	60	62	63.4
York	Maximum	90	90	90	92	91	89	89	89	90	90	86	82	87	92	96	95	95	77	85	89	88	89	88	85	77	82	89	85	83	86	86	87.8
	Minimum	72	70	67	70	71	78	72	70	66	66	71	60	55	59	66	71	71	65	55	59	58	63	59	68	54	52	57	55	64	58	59	63.5

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.00	30.19	13	29.72	10	7.2	21	sw.	6	76	63	68	80
Harrisburg	29.99	30.16	20	29.72	11	5.8	25	nw.	10	77	50	58	86
Philadelphia	30.00	30.18	21	29.70	11	10.8	33	s.	1	74	54	65	70
Pittsburgh	30.03	30.23	13	29.82	11	8.1	36	w.	17	82	50	57	74
Reading	29.99	30.17	20	29.70	11	8.1	38	se.	17	77	52	64	77
Scranton	30.00	30.18	20	29.67	11	5.7	22	nw.	24	79	49	58	80

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.7	10.7	12	2.7	31	18
Easton	Delaware	4.0	10.1	12	1.7	30	22
Lehighton	Lehigh	3.2	5.1	2	2.2	14	9
Wilkes-Barre	Susquehanna	3.2	7.9	18	2.1	31	20
Williamsport	Susquehanna	0.8	1.2	13	0.4	30	20
Harrisburg	Susquehanna	3.6	4.4	16	3.2	31	18
Greensboro	Monongahela	10.5	12.6	5	10.3	28	30
West Newton	Youghiogheny	0.4	1.2	10	0.0	17	20
Lock No. 4	Monongahela	11.6	13.9	6	10.8	23	30
Pittsburgh	Ohio	.....	16.8*	25	16.2*	7	26
Midland	Ohio	.....	16.0*	20	15.1*	8	30

* Pool stage.

7.03
P

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. SEPTEMBER, 1938. No. 9.

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GENERAL SUMMARY.

September was abnormally cool and wet in the greater portion of the State. A slight to moderate temperature deficiency was almost constant throughout the month, and heat was necessary in homes and offices on several mornings. Frost covered a large portion of the State on the morning of the 26th. It killed some truck, especially in the northern regions, but the damage was not extensive or serious. The rainfall excess occurred chiefly in the eastern and northwestern portions of the State, while moisture was deficient in several central and a few southwestern counties. A three-day rain, 19th to 21st inclusive, exceeded six inches at several stations in the Delaware drainage basin. It brought the Delaware and its larger tributaries to near-flood stages, while many creeks overflowed their banks. No damage worth mentioning was done by the high waters. Conditions were mostly favorable for field work up to the 18th inclusive, after which the heavy rains in the eastern part of the State suspended operations for several days. Corn made a rapid development, and was practically beyond frost danger by the 15th. Silo filling was begun early in the month, and cutting and shocking was started about the middle of the month. Fields were mostly plowed and prepared for seeding of the winter grains by the 15th, and considerable barley and some rye was sown before the heavy rains. While the rains stopped seeding in the east, it was delayed in the central and southwest portions by a dry and cloddy top soil. Potato digging was in progress throughout the month, the early varieties being followed closely by the later crop. Early potatoes were good in yield and quality, but the late crop was damaged considerably by blight. The gathering of winter apples began during the last week. The crop was short in yield, but unusually good in quality. Corn cutting and shocking was well advanced by the end of the month, and husking was beginning in a few places. Late feed was generally fair to good in the eastern portion of the State, but pastures were short in the drier regions.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 62.0°, which is 2.2° below the 51-year normal for September. The highest monthly mean was 68.7° at Marcus Hook, and the lowest, 51.5° at Gouldsboro. Extremes for the month ranged from a maximum of 95° at Marcus Hook on the 4th, to a minimum of 26° at Coudersport on the 26th. The greatest daily range in temperature was 52° at Coudersport on the 6th.

PRECIPITATION.

The average precipitation for the State, as determined by the reports from 172 well-distributed stations, was 4.74 inches, which is an excess of 1.34 inches as compared with the 51-year normal for September. The greatest monthly amount was 10.46 inches at Mount Pocono, while the least, 1.39 inches, was recorded at Kylertown. The greatest amount recorded in any 24 consecutive hours was 4.40 inches at Philadelphia-Pt. Breeze on the 19-20th.

There was no snowfall reported during the month.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	59.6	84	29	4.84	....	10	8	11	11
1889	61.9	92	30	5.05	....	13	8	8	14
1890	62.2	91	25	4.57	....	11	10	9	11
1891	66.6	94	32	2.39	....	7	17	8	5
1892	62.4	90	29	2.81	....	7	16	7	7
1893	61.2	90	26	2.67	....	8	9	12	9
1894	66.6	95	24	6.30	....	10	10	10	10
1895	67.8	100	24	1.71	....	6	16	9	5
1896	63.6	98	26	4.82	....	10	13	8	9
1897	63.8	100	24	2.18	....	5	18	7	5
1898	66.0	100	25	1.70	....	6	16	8	6
1899	61.8	93	23	4.70	....	10	12	9	9
1900	68.4	100	27	1.77	....	6	13	10	7
1901	63.6	95	29	3.39	....	9	14	7	9
1902	62.7	99	28	4.66	....	11	12	8	10
1903	63.2	94	27	2.09	....	6	17	8	5
1904	63.7	95	21	3.37	....	9	13	10	7
1905	64.0	95	27	3.41	....	7	15	9	6
1906	67.0	99	30	2.46	....	7	15	9	6
1907	64.8	95	29	6.37	....	14	8	10	12
1908	65.6	99	26	1.60	....	3	17	9	4
1909	62.8	96	26	2.27	....	6	15	9	6
1910	65.5	95	32	4.49	....	10	13	8	9
1911	64.9	92	26	5.29	....	10	13	9	8
1912	65.5	95	25	5.57	....	12	12	7	11
1913	62.4	97	24	3.28	....	8	13	7	10
1914	61.5	98	21	0.99	....	5	18	7	5
1915	66.5	96	25	2.56	....	8	16	9	5
1916	62.5	98	23	3.77	....	8	17	8	5
1917	59.0	91	25	2.31	....	6	16	9	5
1918	58.7	88	28	3.97	....	10	12	8	10
1919	64.4	96	28	2.07	....	8	16	8	6
1920	64.5	91	24	3.99	....	9	16	8	6
1921	68.9	98	31	4.68	....	11	13	9	8
1922	66.3	100	22	1.48	....	4	19	7	4
1923	64.8	92	22	3.55	....	10	13	10	7
1924	59.8	99	26	6.44	....	11	11	7	12
1925	67.5	99	24	2.80	....	8	11	12	7
1926	64.2	99	26	5.81	....	12	11	7	12
1927	64.9	97	27	2.08	....	6	18	7	5
1928	60.4	94	25	2.33	....	9	12	9	9
1929	65.7	101	24	3.71	....	9	14	8	8
1930	67.8	101	27	2.45	....	9	15	10	5
1931	69.1	104	29	3.15	....	9	16	8	6
1932	65.2	105	23	1.45	....	6	16	9	5
1933	66.3	98	32	4.66	....	12	13	8	9
1934	66.4	94	31	6.58	....	12	12	8	10
1935	62.2	95	24	3.51	....	8	15	7	8
1936	66.5	96	28	2.17	....	8	14	7	9
1937	61.5	97	25	1.90	....	7	17	7	6
1938	62.0	95	26	4.74	....	12	11	8	11
Period	64.2	105	21	3.40	....	9	14	9	7

Climatological Data for September, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	62.6	−2.5	86	15	40	26†	36	7.22	+3.88	2.95	0	13	16	11	3	ne.	John A. Frick.
Altoona	Blair	1,615	51	60.4	−2.8	86	4†	37	25	37	3.17	+0.22	0.83	0	12	13	8	9	w.	John J. Martin.
Ardmore	Montgomery	350	18	61.3	−5.6	82	4†	42	22	29	7.88	+4.31	4.06	0	13	8	8	14	......	H. L. Balderston.
Arendtsville	Adams	700	16	63.4	−2.5	88	4	38	26	38	2.49	−1.17	1.09	0	10	16	4	11	ne.	Harold J. Miller.
Bedford	Bedford	1,060	6	62.4	......	87	3	37	26	40	3.66	......	1.56	0	10	12	2	16	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	65.0	−1.9	88	15	41	26	35	7.87	+4.63	3.08	0	14	11	2	17	w.	Lehigh University.
Carlisle	Cumberland	467	72	65.2	−0.2	93	4	34	26	40	4.20	+1.48	1.25	0	13	15	6	10	se.	Prof. C. E. Miller.
Chambersburg	Franklin	580	39	64.6	−1.7	90	4	39	26	37	4.34	+1.37	1.28	0	11	9	9	12	ne.	William B. Spear.
Clearfield	Clearfield	1,120	31	60.4	−3.5	87	4	33	26	45	3.52	+0.21	0.62	0	14	3	14	13	nw.	John Hess.
Coatesville	Chester	380	51	63.4	−2.9	86	4	39	10	34	6.39	+2.99	2.48	0	11	10	3	17	ne.	Howard L. Pyle.
Colebrook	Lebanon	560	27	61.0	−3.1	85	4	37	26	33	5.12	+1.85	1.24	0	13	16	3	11	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	59.8[b]	−1.7	87[b]	4	34[b]	26	43	3.68	+0.10	1.22	0	9	11	5	14	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	65.6	−0.6	91	4†	40	26	38	4.65	+1.28	1.33	0	14	12	7	11	ne.	Ira J. Keath
Freeland	Luzerne	1,970	45	58.5	−1.5	79	4	39	25	29	6.79	+2.94	1.25	0	15	8	2	20	s.	Andrew B. Evansha
George School	Bucks	190	32	64.4	−1.9	87	15	41	10†	34	8.50	+6.04	3.70	0	13	17	2	11	sw.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	65.6	−0.3	90	4	39	26	36	4.12	+0.53	1.28	0	14	11	7	12	e.	Dr. Henry Stewart
Gordon	Schuylkill	840	34	59.9	−4.5	85	4	32	26	40	5.43	+1.40	1.25	0	13	13	6	11	e.	Miss Sallie M. Johnsou.
Gouldsboro	Wayne	1,875	23	51.5	−5.1	69	4	29	26	28	6.15	+2.39	2.12	0	10	12	6	12	w.	Ronald H. Marshall.
Hanover	York	600	34	66.8	−2.0	87	4	42	26	33	5.26	+2.22	1.76	0	14	11	9	10	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	64.1	−1.7	90	4	44	26	28	4.41	+1.36	1.58	0	14	9	9	12	ne.	U. S. Weather Bureau.
Hawley	Wayne	900	20	57.2	−4.0	82	4†	30	26	42	7.29	+4.08	2.49	0	14	15	8	7	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	66.2	−3.1	90	4	46	26	28	4.20	+1.44	1.30	0	13	13	6	11	......	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	51	62.0[a]	−2.7[a]	89[a]	4	38[a]	26†	39[a]	2.59	−0.50	0.64	0	10	12	4	14	w.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,694	7	57.7	......	83	4	35	25	38	1.39	......	0.29	0	11	6	8	16	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	65.2	−0.4	90	4	37	26	37	4.62	+1.25	1.35	0	16	11	8	11	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	41	58.8	−2.9	86	4	32	6	47	6.08	+3.07	1.00	0	11	11	9	10	......	C. P. Darling.
Lebanon	Lebanon	469	54	63.5	−4.2	90	4	39	26	39	5.48	+2.07	2.01	0	10	13	6	11	sw.	Lebanon Valley Gas
Lewistown	Mifflin	500	....	66.0	......	91	5	41	26	43	3.52	......	1.30	0	11	6	11	13	ne.	Penna. Edison Co.
Lock Haven	Clinton	580	48	62.2	−2.8	87	4	38	26	35	4.51	+1.43	1.11	0	14	7	12	11	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	12	68.4[a]	−2.3	95[a]	4	48[a]	25	33	6.87	+2.27	1.90	0	12	14	5	11	e.	Sun Oil Co.
Montrose	Susquehanna	1,620	33	57.0	−3.5	79	4	35	25	39	7.78	+4.02	1.45	0	13	7	11	12	nw.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	56.3	−2.1	80	15	34	25	35	10.46	+6.02	2.50	0	13	16	8	6	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	26	57.5	−3.9	82	4	31	26	38	6.16	+2.60	0.92	0	14	17	3	10	w.	H. O. Hacker.
Neshaminy Falls	Bucks	60	49	63.2	−2.4	85	4†	39	26	34	7.71	+4.28	2.82	0	12	15	2	13	n.	Philadelphia Sub. Water Co.
New Bloomfield	Perry	679	....	61.0	......	89	4	33	26	45	2.23	......	0.60	0	10	17	13	0	w.	J. Earl Sneaffer
Palmerton	Carbon	398	20	61.2	−2.6	86	4	37	26	35	6.57	+3.28	1.70	0	14	13	9	8	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	66.3	−1.7	85	4	51	22	24	7.35	+4.21	3.94	0	16	8	8	14	n.	U. S. Weather Bureau
Phila. Navy Yard	Philadelphia	20	22	66.4	−2.0	86	4	50	10†	27	9.40	+6.26	2.57	0	12	8	8	14	sw.	Navy Aerological Office
Phœnixville	Chester	100	28	65.0	−2.0	86	4†	37	26	37	7.91	+4.64	2.93	0	14	11	12	7	ne.	Philadelphia Sub. Water Co
Port Clinton	Schuylkill	407	....	63.2	−2.2	86	4†	35	26	40	7.35	+3.30	2.20	0	11	17	0	13	n.	E. E. Rarick.
Quakertown	Bucks	496	53	61.4	−2.6	83	15	35	26	37	8.14	+4.25	3.62	0	12	16	7	7	nw.	John E. Benner.
Reading	Berks	273	68	64.1	−2.2	86	4	43	26	31	4.70	+1.49	1.89	0	13	8	9	13	n.	U. S. Weather Bureau.
Scranton	Lackawanna	746	44	60.6	−2.3	84	4	36	26	37	6.42	+2.25	2.01	0	14	7	12	11	n.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	62.2	−2.7	89	4	37	30	36	3.62	+0.31	1.14	0	15	11	9	10	nw.	Dr. George E. Fisher.
Shawmont	Philadelphia	51	42	65.2	−3.0	86	4†	43	26	32	7.56	+4.40	3.18	0	15	11	6	13	s.	W. S. Guiles.
Shippensburg	Cumberland	660	5	64.0	......	89	4	40	26	36	4.32	......	1.26	0	15	12	7	11	ne.	State Teachers College
State College	Center	1,217	54	60.0	−2.8	85	4	37	26	35	2.96	+0.06	0.92	0	13	9	12	9	e.	C. A. Kern.
Stroudsburg	Monroe	500	24	61.8	−0.9	86	15	34	26	45	7.60	+4.12	3.90	0	9	16	5	9	w	State Teachers College
Towanda	Bradford	754	44	59.2	−3.1	85	4	34	26	40	4.37	+1.18	0.94	0	15	12	6	12	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	57.8	−2.1	83	4	32	26	43	2.17	−0.78	0.80	0	10	19	3	8	ne.	George W. Hill.
West Chester	Chester	455	89	64.5	−1.1	87	15	41	26	35	6.64	+3.12	2.03	0	10	10	11	9	n.	Harlan Saylor.
Wilkes-Barre (Airport)	Luzerne	544	....	61.2	......	86	4	37	26	40	4.83	......	1.64	0	16	4	12	14	sw.	U. S. Airways Station.
Williamsport	Lycoming	521	52	61.4	−3.1	87	4	36	26	37	3.35	+0.31	0.97	0	14	13	6	11	nw.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	62.5	−2.3	90	4†	40	25	43	5.93	+1.84	1.45	0	16	12	6	12	se.	Susquehanna Collieries Co.
York	York	400	50	64.8	−1.5	88	4	38	26	36	4.31	+1.28	1.45	0	14	14	8	8	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	61.1	+0.6	85	1†	31	26	49	3.35	+0.22	0.92	0	11	6	5	19	......	Frank S. Fawcett.
Butler	Butler	1,077	25	62.0	−2.3	86	5	32	28	49	3.45	−0.01	0.75	0	12	11	8	11	nw.	William C. Faust.
Chambersville	Indiana	1,047	37	60.4	−4.2	89	4	33	28	50	4.29	+0.64	1.35	0	12	13	9	8	se.	John E. Lewis.
Clairton	Allegheny	1,020	6	62.7	......	88	4	41	25	34	2.69	......	0.86	0	9	6	6	18	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	64.2	−3.8	89	4	39	3†	42	2.77	−0.47	1.66	0	11	13	6	11	n.	J. L. Melvin.
Corry	Erie	1,430	25	58.4	−2.6	84	4	32	28	47	7.96	+4.36	2.55	0	10	18	7	5	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	56.6	......	82	5	26	26	52	6.14	+2.39	1.95	0	11	13	5	12	nw	Philip R. Shaw
Dahoga	Elk	2,020	6	56.8	......	79	4	31	28	40	5.26	......	1.70	0	12	8	8	14	sw.	U. S. Forest Service.
Derry	Westmoreland	1,172	41	63.8	−1.7	87	4	37	28	41	4.34	+1.20	1.56	0	12	12	9	9	w.	Ted R. Wineman.
Donora	Washington	762	12	66.6	−1.9	91	4	46	25†	36	3.78	+1.03	1.36	0	7	0	9	21	w.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	59.2	−2.2	80	8	37	21†	34	2.84	−0.66	0.50	0	14	16	6	8	w.	D. H. Jones.
Franklin	Venango	957	64	60.2	−2.6	86	4	38	26†	42	4.25	+0.86	1.05	0	12	1	1	28	s.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	63.8	−1.7	87	7	39	28	38	2.87	−0.50	0.80	0	12	9	16	5	sw.	Westmoreland Water Co.
Greenville	Mercer	950	42	62.2	−1.1	89	4	35	20†	43	4.60	+1.31	1.41	0	10	14	7	9	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	61.0	−2.3	85	4	39	20†	36	3.99	+0.48	1.25	0	12	15	7	8	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	64.0	−0.7	89	4	35	28	42	3.09	+0.34	0.65	0	6	19	8	3	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	63.6	−2.1	89	4	39	26	45	4.37	+1.13	0.87	0	14	13	8	9	sw.	Robert Tross.
Lycippus	Westmoreland	1,420	46	62.6	−3.4	84	4	42	28	26	3.46	+0.18	0.77	0	11	3	13	14	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	58.6	−3.6	84	4	35	30	40	4.43	+0.73	1.07	0	11	5	13	12	se.	Paul F. Cov
Mercer	Mercer	......	....	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	U. S. Airways Station.
Midland	Beaver	691	1	64.4	......	86	4	42	28	36	4.19	......	1.35	0	10	6	13	11	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	63.0	−1.3	83	26	37	25	41	4.05	+1.04	1.40	0	12	11	9	10	w.	New Castle Water Co.
Newell	Fayette	800	18	64.2	−3.0	88	18	41	26	42	2.96	+0.28	1.25	0	8	9	13	8	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	63.6	−2.8	86	4	44	22	31	4.30	+1.72	1.65	0	9	6	8	16	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	57.5	−2.6	85	6	32	26	44	3.49	+0.50	1.78	0	10	13	6	11	s.	West Penn. Power Co.
Sharon	Mercer	940	25	62.4	−2.4	88	4	37	28	38	3.88	+1.18	1.25	0	10	13	11	6	s.	Harry H. Gerber.
Somerset	Somerset	2,190	71	56.4	−4.4	79	4†	30	26	43	2.94	−0.66	0.69	0	13	5	11	14	sw.	D. L. Grove.
Springs	Somerset	2,680	21	59.2	−1.0	81	4	40	21†	32	3.02	+0.11	0.58	0	13	4	14	12	w.	J. D. Beachy.
Uniontown	Fayette	1,100	50	66.0	+0.6	92	4	42	25	39	3.40	+0.10	1.34	0	12	13	8	9	sw.	Wm. W. Marsteller.
Unity Reservoir	Westmoreland	1,240	29	62.6	......	89	7	38	25	38	2.81	−0.11	0.78	0	12	0	16	14	nw.	Westmoreland Water Co.
Vandergrift	Westmoreland	825	24	64.1	−1.4	91	4	39	26	44	3.31	+0.19	1.78	0	8	15	12	3	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	59.0	−3.1	83	4	36	26	42	5.28	+1.69	1.80	0	11	8	5	17	w.	Harold L. Johnson
Waynesburg	Greene	1,035	7	65.5	......	90	4	41	3†	41	2.23	......	1.18	0	8	3	18	9	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	61.8	−1.8	82	26	47	25	29	7.42	+4.03	1.98	0	14	9	11	10	se.	U. S. Weather Bureau.
For the State¶		......	51	62.0	−2.2	95	4	26	26	52	4.74	+1.34	4.40	0	12	11	8	11	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete. ¶ From all available records.

Reference letters, [a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Dahoga, Kane, RFD; of Springs, Grantsville, Md.

W. B. O. Philadelphia-11-4-38-1050.

Daily Precipitation for September, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage.																																	
Allentown‖‖	Lehigh	.43							.22					.20	.06	.17	.03		.10	.07	2.95	1.20	1.65	.12						T.	.02		7.22
Altoona	Juniata				.22			.83	.06			.40	.42	.16	.25	.05		.22	.03		.18		T.	.35									3.17
Ausonia‖‖	W. Br. Susq	.06			.01				.18			.03	.02	.32		.88			.29		.19	.23	.41	.52				.01	T.				3.15
Ardmore‡	Lower Del			.02				.19				T.	T.	.01	.03	.21		.11	.12	2.01	2.99	1.58						.47		.12	.02		7.88
Arendtsville.‖‖	Lower Susq							.19				*	*	.35	.47	T.		.14		.08	1.09	T.	.13								.04		2.49
Baker's Summit	Juniata				.01			.63	.01			.43	.37	.26	.20	.08		.32			.30		.03	.21									2.85
Bald Eagle ‡	Middle Susq			.13				.23				.25	.53		.60			.20			.15		.35										2.44
Bedford	Juniata							1.50	.06			.40	.32	.19	.04	T.		.54		T.	.39	.06	T.	.16									3.66
Bellefonte	W. Br. Susq				.05			.28				.07	.03	.05	.42	T.		.28	.01		.88		.15	.17									2.39
Berwindale‡	W. Br. Susq			.10				.22				.30	.37		.22			.20		.37		.10	.35										2.23
Bethlehem	Lehigh	.60							.23			T.		.20	.05	.14		.06	.11	1.28	1.90	3.08	.05	.10					.03		.04		7.87
Big Knob‖‖	Middle Susq	.80			.02				.28				.18	.25		.42		.13	.34	.02	.14	1.19		.20									3.97
Bloomsburg	Susquehanna																																......
Bloserville	Lower Susq							.30				.20	.38		.72			.20	.16	.02	1.26		.25										3.49
Buffalo Mills‖‖	Potomac	.50							1.94			.13	.14	.23		.08		.17	.16		.10	.10	.06	.11				.03					3.75
Carlisle	Lower Susq	.68						.09	.20			T.	.11	.41	.70	.39		.10	.08	.04	1.16	.09	T.	.15				T.			T.		4.20
Carter Camp‡	W. Br. Susq			.06				.32	.01			.19	.04	.47	.94			.20			.10		.40										2.73
Center Hall	Susquehanna	.20						.53				.04	.11		.28				.33		1.08			.30									2.87
Chambersburg‖‖	Potomac	.54						1.27				.19	.03	.02	.42			.13	.09		1.28			.15							.22		4.34
Clearfield	W. Br. Susq	.19			.20			.49				.13	.30	.33	.62	.17		.29		.11	.12		.16	.23				.18					3.52
Coatesville	Lower Del							.17							.05	.12		.12	.20	1.81	2.48	1.25		.03				.04			.12		6.39
Colebrook	Lower Susq	1.08						.66	.09			.08	.12		.22	.32		.15	.07	.19	1.24	.77		.13				T.					5.12
Conshohocken	Schuylkill																																......
Doylestown	Lower Del	.55						T.	.35					.03	.01	.05	.55	.16	.12	.75	3.37	3.15	.01	.04				T.			T.		9.14
Driftwood‡	W, Br. Susq			.08				.35				.17	.17	.18	.58	.03		.10		.09	.05		.34										2.14
Du Bois	W. B. Susq	.02			.06			.25				.07	.26	.25	.24	.35		07	T.		.19		.16	.46			.13						2.51
Emporium	W. Br. Susq	.09						.29				.23	.81		1.22						.47		.07	.39				.01					3.58
English Center‡	W. Br. Susq							.15						.17	.58			.33			.84	.30	.30	.03									2.70
Ephrata	Lower Susq	.60						.13	.14			T.		.01	.17	.25		.21	.03	.39	1.33	1.22	T	.07				.03			.07		4.65
Forest City‖‖.	N. Br. Susq	.48			.13			T.	.40					.54		.62			.20	.10	.95	1.06	1.90				T.	T.					6.38
Fredericksville‖‖	Schuylkill								.12				T.	T.	.02	.19			.18	.29	.97	1.97	1.21	.08					T.		.02		5.05
Freeland‖‖	Lehigh	.38			.09				.78			.01		.51		.70	.02		.24	.35	1.09	.78	1.25	.35				.05	.19				6.79
Galeton	N. Br. Susq	.05		T.				.15	.04			.05	T.	.33	.98	.42		.32	.02		.08	.27	.42	.32	.01			.03					3.49
George School	Lower Del	.73			T.				.18			.01		.02	T.	.05	.10	.31	.07	1.20	2.09	3.70		.01					T.		.03		8.50
Gettysburg	Potomac	1.28						T.	.36			.05	.07	.07	.30	.02		.14	.25	.06	1.24	.15		.06							.07		4.12
Girardville‖‖	Lower Susq			.02				.33				.01	.03	.27	.60	.49		.33	.02	.73	1.09	.70	.26					.04					4.92
Gordon	Lower Susq	.63						.52	.05					.36	.21	.41		.22	.08	.12	1.25	1.25	.02	.31									5.43
Gouldsboro‖	Lehigh	.22			.10									.64		.80			.15	.72	.65	.63	2.12	.12				T.					6.15
Graterford	Schuylkill	.37										.07			.21	.14		.06	.18	1.42	.86	2.53		.04				.32		T.			6.20
Hanover	Lower Susq	1.76							.27			.03	.16	.02	.23	.14		.38	.12	.10	1.67	.23		.10							.05		5.26
Harrisburg***	Lower Susq	.01			T.			.23				T.	.38		1.32	.26	T	.20	.25	.05	1.45	.02	.10	.11				T.		.02	.01		4.41
Hawley‖‖	Upper Del	.09			.02				.29					.26		.45	.03		.37	.13	1.53	1.40	2.49	.15	.01			.07					7.29
Hollisterville‖‖	Upper Del	.02			.21									.19		.31			.32	.39	.98	1.20	2.32	.33				.15					6.42
Holtwood‖	Lower Susq	.83							.33				.09	.02		.20		.06	.18	.12	1.30	.53	.27	.02							.25		4.20
Huntingdon	Juniata	.31	T.		.03			.10				.17	.48	.03	.34	T.		.39	T.	T.	.64	T.	.10	T.									2.59
Huntsdale‡	Lower Susq							.20				.08	.32		.62			.10	.08			.14	.94		.15								2.63
Hyndman‖‖	Potomac	.32							.46			.12	.09	.39	T.	.05		.23	.21		.14	.10	.15	.09									2.35
Kylertown	W. B. Susq				.06			.29	T.			.05	.11	.06	.25	T.		.16	T.	T	.14	T.	.09	.17	T.			.01					1.39
Lakeville‖‖	Upper Del	.10							.30					.25	T.	.38	.01	T.	.38	.30	1.50	1.20	2.41	.01			T.	.12	.03	T.			6.99
Lancaster	Lower Susq	1.11						.16	.25			.04	.01	.01	.10	.03		.21	.04	.20	1.35	.90		.07				.03			.11		4.62
Lansford‖‖	Lehigh	.80							.27				.07	.35		2.40	.08			.33	1.41	.75	.93	.24					T.				7.63
Lawrenceville	N. Br. Susq							.78				.20		.73	.98	1.00		.20	.18		.46	.70	.35	.50									6.08
Lebanon‖‖	Lower Susq							.54			T.	.01	.01		2.01			.19	.16	1.20	.69	.52	.15							T.			5.48
Lehighton‖‖	Lehigh	1.00							.45			T.		.35		1.58	.20		.46	.20	2.00	1.18	1.20	.60					.18				9.40
Lewistown	Middle Susq	.22						.30				.29	.19	.02	.14	.33	T.	.25	.24		1.30	T.		.24									3.52
Lock Haven	W. Br. Susq	.64			T.			.56	.03			.42	.02	.42	.17	.20		.28	.11		1.11	.06	T.	.39				.10					4.51
Marcus Hook	Lower Del	.49						.14					T.			.18	T.	.18	*	*	2.25	1.90		.02				.07		*	.64		5.87
Matamoras‖‖	Upper Del	.42							.50					.27		.61				.73	2.47	1.12	2.14	.16							.40		8.84
Mauch Chunk	Lehigh																																......
Millersburg‡	Lower Susq							.30					.03	.07	.72			.11	.05	.06	1.29		.10	.13				*		*	.15		3.01
Millville‡	N. Br. Susq							.26				.06	.10	.04	.68	.02		.13			1.12	.72	.33	.12				.04					3.62
Montrose	N. Br. Susq	.50						.86					.15	.63	.21	1.14		.24	.57	.14	1.01	1.45	.32	.56									7.78
Morris Run	N. Br. Susq	.14			.02			.25	.02				.02	.61	.13	.72	.24	15	.04	.03	.90	.99	.12	.48	.03					.03			4.87
Mount Pocono	Upper Del	1.50				.03								.52	.03	1.40		.38	.30	.60	1.45	2.50	1.15	.30				.03					10.46
Mt. Union‡	Middle Susq							.35				.10	.39	.02	.40			.51			1.03	.05	.20										3.05
Muncy Valley	W. Br. Susq	.63		.74				.13					.23	.51	.63		T.	.22	.23	.04	.83	.87	.09	.92	T.			.09					6.16
Neshaminy Falls‡	Lower Del	.33						.07						.06	T.	.11		.26	.12	1.52	2.36	2.82		.02				.03		.01	T		7.71
New Bloomfield	Juniata	.32						.36	.03			.10	.22		.60			.10		.15	.10			.25									2.23
New Park	Lower Susq											.12	.03		.21			.20	.16	.60	.60	.70	.06							.10	.17		2.95
Newport‖‖	Juniata	.65							.50				.07	.18		.47			.16	.05	.05	1.07		.28							T.		3.48
New Tripoli	Schuylkill							.24				.06		.13		1.70		.27	.07	.70	1.53	1.65		.10									6.45
Orwigsburg	Schuylkill							.49					.07	.27		1.53			*	*	*	2.83	.25					T			.08		5.52
Palmerton‡	Lehigh							.26				01	.02	.34	.39	1.03		.32	.02	.58	1.70	1.39	02	.14				.35					6.57
Paupack‖‖	Upper Del	.13			.23				.06					.10		.50			.45	.30	1.50	2.10	1.60	.15									7.12
Philadelphia***	Lower Del	.01		03				.07				T.	T.	.01	.01	.15	T	.27	.17	1.95	3.04	1.14		.02				.30		.15	.03		7.35
Phila. Navy Yard‡	Lower Del	.02		T.				.08						.01	.12	T	T	.20	.16	2.57	2.55	1.80						1.72		.10	.07		9.40
Phila-P'nt Breeze.‡	Lower Del			.05				.12				T.		.01	.03	.09		.25	.20	2.43	3.71	1.78						1.00		*	.16		9.83
Phoenixville	Schuylkill	.73							20					.01		.06	.11	.03	.06	.72	2.46	2.93	.06	.03					.21		.30		7.91
Pine Grove	Lower Susq				T.			.22					.08	.14	1.10	.17		.23	.10	.70	1.00	.95	.20	.05				.08					5.02
Pleasant Mt.	Upper Del				.04			.81						.56		.87	*	*	*	*	*	4.63		.53	.04			.13					7.61
Port Clinton‖‖	Schuylkill	.73							.15				.02	.20	.15	2.20		.16	.20	.56	1.36	1.62											7.35
Pottstown	Schuylkill																																......
Pottsville	Schuylkill	1.00			.01				.50				T.	.33	.01	1.62			.21	.09	1.13	.76	.55	.26					.01		T.		6.48
Quakertown	Lower Del	.96						.12	.02					.03	.05	.03			.03	.09	3.62	3.08	.03	.06							T.		8.14
Reading***	Schuylkill	01			T.			.42				T.	T.	.05	.23	.01		.31	.01	.60	1.77	1.12		.06				.07		T.	.04		4.70
Renovo‖‖	W. Br. Susq	.24			.04				.42			.09	.32	.35		.38	.02		.16		.12	.38		.35				.12					2.99
Retreat	N. Br. Susq				.37			.30				.01	.16	.11	.48	.04		.62		.24	1.05	1.08						.52					4.98
Scranton***	N. Br. Susq	T.		.07	.13			.20	T.				.06	.25	.32	.11		.20	T.	.21	1.43	1.86	.23	.27				.08					5.42
Selinsgrove	Lower Susq							.30	.04			.08	.08	.14	.18	.48		.15	.12	.11	1.14	.45	.01	.33				.01					3.62
Sellersville‡	Lower Del							.20							.12			.04	.32	1.57	2.59	1.74	.06	.08									6.72
Shade Gap‡	Middle Susq							1.30				.09	.23	.05	.34	.05		.65			1.22	.02	.23							.06	.14		4.38
Shawmont	Schuylkill	.84			.02			.02	.11					.02	T.	.02		.12	.15	.56	3.18	2.10		.03				T.	.28	.05	.06		7.56

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Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq	.73	....	....	....	....	....	.40	.01	....	....	.02	.08	.29	.54	.48	....	.11	.12	.01	1.26	.06	.01	.20	....	....	....	....	....	....	....	....	4.32
State College	W. Br. Susq	.05	....	....	.17	....	....	.92	....	....	....	.11	.11	.07	.31	.12	....	.24	.02	....	.56	....	.07	.21	....	....	....	T.	....	....	....	....	2.96
Stroudsburg‖	Upper Del	....	....	....	....	....	....	....	.30	....	....	....	....	.25	.30	.30	....	....	.70	.60	1.10	3.90	....	....	....	....	....	....	....	....	.15	....	7.60
Sunbury‖	Lower Susq	.16	....	....	.02	....	....	....	.47	....	....	T.	.06	.17	T.	.46	.24	....	.32	.15	.11	1.32	.48	.29	....	....	....	....	....	....	....	....	4.25
Susquehanna‖	N. Br. Susq	.47	....	....	....	....	....	....	.69	....	....	....	....	.65	....	.42	.31	....	.16	....	.35	.91	1.90	.52	T.	T.	....	....	.01	....	....	....	6.39
Towanda	N. Br. Susq	.17	....	....	.03	....	....	.31	T.	....	....	....	.02	.39	.19	.48	....	.32	.08	.01	.94	.92	.16	.33	.02	....	....	T.	....	....	....	....	4.37
Weikert	Lower Susq	.10	....	....	....	....	....	.92	....	....	....	.50	.10	.25	.30	.22	....	.25	.15	....	1.02	.10	.22	....	....	....	....	.10	....	....	....	....	4.23
Wellsboro	N. Br. Susq	....	....	....	.01	....	....	.12	....	....	....	T.	....	.46	.49	.31	....	.17	.03	....	.55	.02	T.	....	T.	....	....	.01	....	....	....	....	2.17
Wernersville‖ [nr]	Schuylkill	.91	....	....	....	....	....	....	.61	....	....	....	....	....	....	.63	....	....	.21	1.68	.83	.62	.75	.13	....	....	....	....	.19	....	....	....	6.56
West Chester	Lower Del	.69	....	....	T.	....	....	....	.15	....	....	....	....	T.	.04	T.	T.	.03	.07	1.38	2.01	2.03	....	....	....	....	....	.01	....	T.	.23	....	6.64
Westgrove‖	Lower Del	.77	....	....	.08	....	....	....	.12	....	....	....	....	....	....	....	....	....	.17	.68	3.80	1.44	.82	.02	....	....	....	....	T.	.77	....	....	8.67
Wilkes-Barre§	N. B. Susq	.22	....	....	.10	....	....	.05	.13	....	....	....	.03	.43	.02	.24	....	.27	.01	.11	1.19	1.64	.06	.23	....	....	....	.10	....	....	....	....	4.83
Wilkes-Barre‖¶	N. Br. Susq	.22	....	....	.29	....	....	....	.22	....	....	....	....	.28	....	.20	.08	....	.35	.38	.81	.91	1.32	.27	....	....	....	.12	....	....	....	....	5.45
Williamsport‖	W. Br. Susq	.14	....	....	.09	....	....	....	.14	....	....	T.	.02	.21	....	.53	....	....	.27	.05	.15	.97	.33	.40	....	....	....	.03	.02	....	....	....	3.35
Williamstown	Lower Susq	1.23	....	....	....	....	....	.13	.62	....	....	.02	.05	.24	.14	.21	....	.03	.24	.29	1.45	.95	.07	.24	....	....	....	.02	....	....	....	....	5.93
York	Lower Susq	.71	....	....	....	....	....	.08	.26	....	....	....	.26	.02	.10	.12	....	.20	.10	.15	1.45	.70	....	.11	....	....	....	....	....	....	.05	....	4.31
York Haven‖	Lower Susq	1 00	....	....	....	....	....	....	.18	....	....	....	.11	.13	....	.23	....	....	.35	.13	1.01	.90	.24	.16	....	....	....	....	....	....	.07	....	4.51
Zionsville..(near)	Schuylkill	.77	....	....	....	....	....	.15	.14	....	....	T.	T.	T.	.12	.10	....	.08	.22	1.70	1.90	1.40	.01	.06	....	....	....	T.	....	....	T.	....	6.65
Trenton, N. J***	Lower Del	.02	....	T.	....	....	....	.28	....	....	....	....	....	.02	T.	.54	T.	.34	.38	2.46	2.27	2.67	....	.01	....	....	....	T.	....	T.	.05	....	9.04
Ohio Drainage																																	
Beaver Falls‖	Beaver	....	....	....	T.	....	....	....	.15	....	T.	.04	.05	.84	.16	.60	....	....	....	.71	.11	....	.15	.10	....	....	....	....	....	....	....	....	2.91
Blairsville‖	Allegheny	.49	....	....	....	....	....	....	.44	....	....	.59	.11	1.30	.04	.39	.07	.02	....	....	.03	....	.53	.39	....	....	....	....	....	....	....	....	4.40
Bradford	Allegheny	....	....	....	....	....	....	.66	.02	....	....	.56	.57	1.05	.93	1.35	.05	.02	....	.09	.08	....	.60	.33	....	....	.03	.08	....	....	....	....	6.42
Brookville‖	Allegheny	....	....	....	.07	....	....	....	.12	....	....	.38	.14	.71	....	.92	.03	....	....	....	.18	....	.25	.43	....	T.	....	....	.12	....	....	....	3.35
Buckstown‡	Allegheny	....	....	....	....	....	....	.70	.02	....	....	.39	.78	.04	.05	.05	....	.12	....	....	.11	.25	.27	.01	....	....	....	....	....	....	....	....	2.79
Butler	Ohio	....	....	.40	....	....	....	.30	....	....	....	.20	.75	.30	.30	.30	....	....	.05	.07	.15	....	.33	.21	....	....	....	T.	....	....	....	....	3.45
Chambersville	Allegheny	.03	....	....	.06	....	....	1.35	....	....	....	.55	.96	.36	.13	.03	....	T.	....	....	.15	.08	.26	.33	....	....	....	....	....	....	....	....	4.29
Clairton‡	Monongahela	T.	....	....	....	....	....	.86	....	....	....	.02	.55	.03	.32	.22	....	....	....	.20	....	.26	.23	....	....	....	....	....	....	....	....	....	2.69
Clarion‖	Allegheny	....	....	....	.06	....	....	....	.05	....	....	.22	.08	.62	.05	1.98	....	....	....	....	.12	....	.40	.43	....	....	....	....	....	....	....	....	4.01
Claysville	Ohio	....	....	....	....	....	....	.01	T.	....	.02	.03	1.66	.17	.37	.15	....	....	....	.14	....	.15	.05	.02	....	T.	....	....	....	....	....	....	2.77
Confluence‖	Youghiogheny	.14	....	....	....	....	....	....	.80	....	....	.25	T.	1.00	.05	.13	T.	.10	.08	....	.04	....	.05	.30	....	....	....	....	....	....	....	....	2.94
Connellsville‖	Monongahela	.19	....	....	....	....	....	....	.46	....	....	.50	....	2.15	.04	.33	T.	T.	T.	....	.11	....	T.	.19	....	....	....	....	....	....	....	....	3.97
Corry	Allegheny	....	....	....	.15	....	....	.38	....	....	....	.95	.32	.42	....	2.55	....	....	.07	.99	....	....	1.85	....	....	....	....	.28	....	....	....	....	7.96
Coudersport	Allegheny	....	....	....	....	....	....	.20	....	....	....	.02	.30	....	1.95	.92	....	.20	.02	.45	....	.18	.50	.40	....	....	....	....	....	....	....	....	5.14
Dahoga	Allegheny	....	....	....	....	....	....	.05	.09	....	....	.15	.15	.53	1.48	1.70	....	.04	T.	....	.14	....	.15	.76	....	....	....	.02	....	....	....	....	5.26
Derry	Conemaugh	.03	....	....	....	....	....	.85	....	....	....	.21	.65	1.56	.12	.23	....	.03	....	T.	.22	.15	.24	.05	....	....	....	....	....	....	....	....	4.34
Donora‖	Monongahela	....	....	....	....	....	....	1.08	....	....	....	.09	1.36	.28	.61	....	....	T.	....	.17	....	T.	.19	....	....	....	....	....	....	....	....	....	3.78
Dunlo‡	Allegheny	....	....	....	....	....	....	1.39	.01	....	....	....	....	....	....	....	....	.14	....	....	.16	.18	.30	....	....	....	....	....	....	....	....	....	§
Ebensburg	Conemaugh	.04	....	....	.26	....	....	.35	....	....	....	.04	.50	.45	.15	.21	.23	....	....	.08	.13	.05	.08	.27	....	....	....	....	....	....	....	....	2.84
Franklin‖	Allegheny	....	....	....	.05	....	....	....	.08	....	....	.23	.14	1.05	....	.80	.11	....	....	.85	.11	....	.43	.28	....	....	....	.12	....	....	....	....	4.25
Greensboro‖	Monongahela	.43	....	....	....	....	....	....	.39	....	....	.01	....	1.27	.18	.05	....	T.	.01	....	.25	T.	.20	.11	....	....	....	....	....	....	....	....	2.90
Greensburg	Youghiogheny	....	....	....	....	....	....	.26	T.	....	....	.19	.37	.80	.46	.16	....	.01	....	.09	.11	.07	.10	.25	....	....	....	....	....	....	....	....	2.87
Greenville	Beaver	....	....	....	....	....	....	....	....	....	....	.30	1.41	.20	.55	.41	....	....	.04	.70	....	.05	.82	.12	....	....	....	....	T.	....	....	....	4.60
Grove City	Beaver	....	....	.02	.09	....	....	.02	....	....	.25	.25	.50	.12	.64	.31	....	....	....	1.25	T.	T.	.42	.12	....	....	....	....	....	....	....	....	3.99
Irwin	Monongahela	....	....	....	....	....	....	.35	....	....	T.	.13	.65	.57	.44	.31	....	....	....	T.	.19	....	.10	.35	....	....	....	....	....	....	....	....	3.09
Johnstown	Conemaugh	....	....	....	....	....	....	.87	.02	....	....	.78	.34	.40	.13	.05	.02	.15	....	.51	.31	.35	.19	.25	....	....	....	....	....	....	....	....	4.37
Kregar‖	Youghiogheny	....	....	....	....	....	....	.44	....	....	.28	.15	1.32	.06	.10	.15	.02	.04	....	.06	....	.25	.38	....	....	....	....	....	....	....	....	....	3.25
Lake Lynn‖	Monongahela	.62	....	....	....	....	....	....	.52	....	....	....	....	1.10	.17	.08	.12	.04	....	....	.13	.01	.26	.10	....	....	....	....	.06	....	....	....	3.21
Linesville‖	Beaver	....	....	....	....	....	....	....	.10	....	....	.42	.60	.32	.04	.82	T.	....	....	.96	.07	T.	1.65	.35	....	....	....	.02	....	....	....	....	5.35
Lock No 2‖	Ohio	....	....	....	....	....	....	....	.13	....	....	....	.03	1.57	.14	.27	....	....	....	.02	.13	.01	1.10	.11	....	....	....	....	....	....	....	....	3.51
Lock No. 4‖	Monongahela	.16	....	....	....	....	....	....	.81	....	....	.08	T.	1.85	.15	.15	.06	....	....	....	.19	....	.01	.18	....	....	....	....	....	....	....	....	3.64
Lock No. 5‖	Allegheny	....	....	....	.48	....	....	....	.26	....	....	.13	.06	1.30	.02	.41	.14	....	T.	T.	.21	....	.12	.25	....	....	....	....	....	....	....	....	3.38
Lycippus	Conemaugh	....	....	....	....	....	....	.20	....	....	....	.55	.44	.77	.07	.45	....	....	.04	....	.20	.19	.15	.40	....	....	....	....	....	....	....	....	3.46
Marienville‡	Allegheny	....	....	.44	....	....	....	.09	....	....	.01	.28	.48	.26	3.37	.04	....	....	....	.21	....	.10	.43	....	....	....	....	.02	....	....	....	....	5.73
McKeesport‖	Monongahela	T.	....	....	....	....	....	....	.58	....	....	.03	T.	1.18	.23	.38	.15	....	....	....	.25	T	.41	.20	....	....	....	....	....	....	....	....	3.41
Meadville‖	Allegheny	....	....	....	....	....	....	....	.17	....	....	.25	.24	1.07	.04	.94	T.	....	....	.46	.10	....	.69	.40	....	....	....	.07	....	....	....	....	4.43
Mercer‡	Ohio	....	....	.32	....	....	....	....	....	....	.07	.24	1.14	....	.55	.04	....	....	.72	.23	....	.43	.17	....	....	....	....	....	....	....	....	....	3.91
Midland	Ohio	....	....	....	....	....	....	.06	....	....	....	.02	1.35	.78	.46	.35	....	....	....	.89	....	.01	.01	.06	....	....	....	....	....	....	....	....	4.19
Mosgrove‖	Allegheny	....	....	....	.40	....	....	....	.11	....	....	.37	.21	1.46	T.	.61	.03	..	T.	....	.26	....	.38	.23	....	....	....	T.	....	....	....	....	4.06
Mount Lebanon	Ohio	....	....	....	....	....	....	1.44	....	....	....	....	1.43	.61	.39	.08	....	T.	....	.23	....	.40	.19	....	....	....	....	....	....	....	....	....	4.77
Natrona‖	Allegheny	....	....	....	....	....	....	....	.28	....	....	.20	.02	1.47	.02	.18	.02	....	....	....	.24	....	T.	.25	....	....	....	....	....	....	....	....	2.68
New Castle	Beaver	....	....	....	.09	....	....	....	....	....	....	.13	1.40	.11	1.02	.21	....	....	....	.91	.02	.01	.09	.05	....	.01	T.	....	....	....	....	....	4.05
Newell‖	Monongahela	....	....	....	....	....	....	....	.45	....	....	.06	1.25	.65	.05	.10	....	....	....	....	.18	....	....	.22	....	....	....	....	....	....	....	....	2.96
Parkers Landing‖	Allegheny	....	....	....	.12	....	....	....	T.	....	....	.45	.18	.84	.22	1.10	....	....	....	.05	.14	....	.41	.18	....	....	....	.03	....	....	....	....	3.72
Pennline‖	Beaver	....	....	....	....	....	....	....	.18	....	....	.46	.32	.61	.56	2.09	T.	....	....	.52	.12	.22	1.63	.50	....	....	....	....	....	....	....	....	7.21
Pittsburgh***	Ohio	....	....	....	....	....	....	1.13	T.	....	T.	.01	1.42	.23	.35	.44	....	T.	....	.22	....	.31	.18	....	....	....	....	....	....	....	....	....	4.30
Punxsutawney‖	Allegheny	.09	....	....	.06	....	....	....	....	....	....	.16	.14	.52	....	.38	....	....	....	....	.20	....	.32	.38	....	....	....	....	....	....	....	....	2.25
Ridgway‖	Allegheny	....	....	....	.07	....	....	....	.10	....	....	.06	.03	.78	....	1.78	....	....	.02	....	.07	....	.03	.55	....	....	....	....	....	....	....	....	3.49
Rochester‡	Ohio	....	....	....	....	....	....	....	....	....	....	....	1.42	.30	.59	.04	....	....	.22	.39	....	.49	.11	....	....	....	....	....	....	....	....	....	3.56
Saltsburg‖	Conemaugh	.06	....	....	....	....	....	....	.33	....	....	.36	.09	1.69	.06	.57	.06	T.	.01	....	.22	....	.14	.42	....	....	....	....	....	....	....	....	4.01
Seward‖	Conemaugh	.62	....	....	.04	....	....	....	.63	....	....	.53	.12	1.03	.02	.26	.11	.03	.02	....	.17	....	.44	.39	....	....	....	....	....	....	....	....	4.41
Sharon	Beaver	....	....	....	....	....	....	....	.03	....	....	....	.35	1.25	.75	.35	....	....	....	.75	.06	....	.22	.06	....	....	....	.06	....	....	....	....	3.88
Sharpsville‖	Beaver	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Smethport‖	Allegheny	....	....	....	....	....	....	....	.27	....	....	.15	.40	....	.50	2.00	.05	....	.10	....	.20	T.	T.	.37	....	....	T	.15	T.	....	....	....	4.19
Somerset	Youghiogheny	.06	....	....	....	....	....	.65	.04	....	....	.42	.60	.12	.09	.18	....	.14	....	....	.04	.10	.21	.29	....	....	....	....	....	....	....	....	2.94
Springdale‖	Allegheny	....	....	....	....	....	....	....	T.	....	....	.09	.02	1.42	T.	.29	....	....	....	....	.21	....	.03	.25	....	....	....	....	....	....	....	....	2.31
Springs	Youghiogheny	.03	....	....	....	....	....	.56	.07	....	.48	.41	.58	.17	.09	.05	....	.18	T.	.01	....	....	.23	.16	....	....	T.	....	....	....	....	....	3.02
Titusville‡	Allegheny	....	....	....	....	....	....	....	....	....	....	.09	1.79	.21	1.09	*	*	.21	....	.42	.11	.28	.35	.12	....	....	....	....	....	....	....	....	4.67
Union City‡	Allegheny	....	....	.08	....	....	....	.21	....	....	.32	.18	.74	.03	1.86	.33	....	....	.36	.14	....	.04	.75	....	....	....	....	....	....	....	....	....	5.04
Uniontown	Monongahela	....	....	....	....	....	....	.42	.83	....	....	T.	1.34	.23	.06	.02	....	.01	....	.01	.08	.10	.14	.16	....	....	....	....	....	....	....	....	3.40
Unity Reservoir	Youghiogheny	....	....	....	....	....	....	.18	.01	....	....	.27	.40	.78	.36	.12	....	.02	....	T.	.19	.09	.17	.22	....	....	....	....	....	....	....	....	2.81
Vandergrift‡	Conemaugh	....	....	T.	....	....	.45	....	....	....	....	.18	1.78	....	.21	.11	....	....	....	.20	....	.10	.33	....	....	....	....	....	....	....	....	....	3.31
Warren	Allegheny	....	....	....	....	....	....	.16	....	....	....	.24	.13	.89	1.80	.65	T.	....	....	.31	T.	.05	.84	.07	T.	....	....	....	.14	....	....	....	5.28
Waynesburg	Monongahela	....	....	....	....	....	....	.10	....	....	....	....	1.18	.34	.10	.06	....	....	....	.19	....	.20	....	.06	....	....	....	....	....	....	....	....	2.23
Westford‖	Beaver	....	....	....	....	....	....	.23	....	....	.52	.50	1.15	.28	1.10	.05	....	....	1.10	.15	....	1.00	.25	....	....	....	....	.02	....	....	....	....	6 35
West Newton‖	Youghiogheny	.13	....	....	....	....	....	....	.86	....	T.	.12	T.	1.52	.06	.52	.05	T.	....	....	.18	T	.21	.26	....	....	....	....	....	....	....	....	3.91
Lake Drainage.																																	
Erie***	Lake Erie	....	....	T.	....	....	....	.91	....	....	.33	.17	.86	.03	1.97	.06	....	....	.72	.06	.10	.13	1.89	T.	....	....	.18	.01	....	....	....	....	7 42
Raymond‡	Genesee	.01	....	....	....	*	....	.44	....	*	*	*	.50	....	2.73	.01	....	*	*	.26	....	.03	.71	....	....	....	....	....	....	....	....	....	4.69

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement. ‡ Mdt. to mdt. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airways Station. ¶ River Station.

Daily Temperatures for September, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	79	74	80	86	80	73	86	73	71	68	62	66	81	67	76	64	54	58	68	61	61	61	74	80	70	73	77	77	70	61	....	71.0
	Minimum	62	49	46	55	53	47	50	48	47	52	53	56	61	53	63	52	43	49	57	50	40	46	49	53	37	38	52	40	47	49	....	49.9
Bedford	Maximum	85	75	87	82	80	78	86	82	73	69	70	69	81	77	79	72	65	62	70	66	58	59	74	78	82	77	81	75	72	66	....	74.3
	Minimum	55	48	50	47	48	43	49	51	50	56	55	57	64	55	64	56	48	52	59	51	41	46	49	45	48	37	51	42	49	52	....	50.6
Bethlehem	Maximum	83	79	76	85	85	78	77	74	70	73	76	72	79	79	88	86	67	64	69	66	61	65	76	84	82	75	79	76	74	68	....	75.5
	Minimum	66	58	50	62	60	48	57	56	48	43	53	58	65	58	66	62	52	58	61	60	52	48	52	54	47	41	54	46	51	48	....	54.5
Bloomsburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Brookville‡	Maximum	85	85	83	85	84	84	85	76	84	79	75	80	83	75	85	74	67	85	77	71	66	69	78	84	80	76	72	75	76	82	....	78.7
	Minimum	55	41	34	39	41	40	45	54	40	42	53	55	60	49	54	48	37	45	53	49	38	42	47	41	35	31	35	32	33	38	....	43.5
Butler	Maximum	79	76	78	80	86	83	80	80	80	85	75	72	80	80	76	71	68	70	83	66	62	62	74	81	82	84	80	78	75	70	....	76.5
	Minimum	60	45	40	55	50	52	59	55	55	58	58	58	55	54	58	56	35	40	42	38	35	37	41	40	40	35	53	32	42	44	....	47.4
Carlisle	Maximum	84	81	81	93	88	80	88	78	75	77	68	70	87	82	86	80	74	65	69	68	60	64	80	86	85	76	84	76	72	62	....	77.3
	Minimum	62	56	51	61	56	52	58	56	47	48	52	59	60	56	66	56	53	56	59	55	52	44	50	54	45	34	50	43	47	54	....	53.1
Chambersburg	Maximum	81	78	79	90	84	76	89	74	74	73	67	73	86	76	85	75	64	63	68	67	59	64	80	86	75	76	84	76	71	61	....	75.1
	Minimum	66	56	54	60	59	55	54	58	51	52	57	58	63	58	64	56	51	54	60	54	49	46	51	53	46	39	52	46	50	55	....	54.2
Chambersville	Maximum	82	72	82	89	78	82	83	74	75	72	60	78	80	73	77	63	58	78	69	60	63	56	77	82	69	80	74	77	69	67	....	73.3
	Minimum	58	42	43	39	49	47	55	50	47	55	54	58	62	53	60	47	44	48	50	47	36	44	48	34	43	40	58	33	39	46	....	47.6
Claysville	Maximum	80	75	81	89	86	86	85	78	80	81	81	78	78	76	76	67	69	79	74	68	61	60	77	80	77	82	79	76	72	69	....	76.7
	Minimum	60	44	39	60	51	46	59	55	56	57	60	65	65	59	64	49	52	54	52	40	44	44	50	55	39	45	59	40	43	46	....	51.7
Clearfield	Maximum	81	77	81	87	82	78	79	79	77	79	63	69	85	65	78	63	54	69	73	58	61	56	78	82	76	78	72	78	81	74	....	73.8
	Minimum	57	47	42	53	47	44	48	48	45	39	55	56	62	51	62	47	39	50	55	50	39	46	49	45	38	33	44	42	37	39	....	47.0
Coatesville	Maximum	84	73	78	86	78	75	82	71	68	72	71	75	84	80	85	76	64	67	70	65	60	69	76	83	68	74	80	74	68	60	....	73.9
	Minimum	57	55	49	61	58	50	56	57	46	39	52	57	64	59	65	57	51	58	62	58	50	42	51	52	45	40	50	46	52	50	....	53.0
Corry	Maximum	76	75	75	84	71	80	76	70	75	72	62	80	78	75	69	64	65	78	64	65	61	64	76	72	74	81	73	75	70	69	....	72.3
	Minimum	54	41	35	56	40	36	45	60	36	49	53	55	55	48	57	48	35	48	50	35	38	40	46	47	34	34	55	32	38	37	....	44.6
Coudersport	Maximum	75	74	74	76	82	80	71	70	76	66	64	66	70	78	73	61	49	63	71	60	54	50	72	75	72	74	68	74	66	66	....	69.1
	Minimum	59	48	39	43	45	28	48	48	49	31	50	54	58	48	58	47	34	47	52	40	36	43	39	56	34	26	49	31	33	54	....	44.1
Dahoga	Maximum	77	69	73	79	69	75	72	67	69	71	63	73	76	71	71	59	54	69	65	59	58	53	73	74	70	75	70	71	67	65	....	68.6
	Minimum	55	39	37	53	41	41	52	47	37	45	50	53	57	54	56	45	36	47	52	45	34	41	45	49	34	38	54	31	41	41	....	45.0
Donora*	Maximum	81	77	83	91	84	85	89	79	80	77	79	76	83	75	74	67	67	80	69	65	62	60	80	85	79	83	79	79	75	69	....	77.1
	Minimum	62	54	50	63	62	57	65	60	59	63	62	67	63	62	58	56	56	55	56	48	50	49	55	58	46	47	54	46	50	54	....	56.2
Ebensburg	Maximum	72	70	76	78	79	72	73	80	79	70	65	70	79	78	69	65	58	65	68	67	58	62	70	70	69	69	79	71	71	62	....	70.5
	Minimum	61	44	44	55	50	48	52	47	45	50	50	55	60	55	61	58	43	48	39	48	37	42	45	42	39	42	55	37	44	45	....	48.0
Emporium	Maximum	78	74	73	87	80	84	77	78	80	78	80	70	84	68	80	61	....	....	72	62	57	55	77	78	73	77	72	76	74	69	....	74.2[b]
	Minimum	57	46	41	45	39	41	51	36	37	51	54	58	52	52	48	38	....	....	56	51	39	46	48	48	40	34	49	38	40	40	....	45.5[b]
Ephrata	Maximum	81	77	79	91	84	78	84	78	76	77	70	74	85	78	91	77	62	68	72	66	60	63	78	85	77	78	84	76	70	64	....	76.1
	Minimum	66	60	50	65	60	53	62	60	48	43	56	61	65	54	68	61	53	59	65	59	51	45	52	49	47	40	54	46	50	51	....	55.1
Erie*	Maximum	74	70	76	79	68	72	71	66	68	78	67	82	73	75	70	63	70	79	61	65	57	58	70	69	66	82	72	70	64	61	....	69.9
	Minimum	59	53	53	63	55	51	59	54	48	58	58	62	60	60	59	50	48	54	52	48	50	50	56	53	47	53	52	49	49	48	....	53.7
Franklin‡	Maximum	76	75	76	86	76	81	80	77	79	74	63	77	80	75	69	64	60	77	65	64	60	57	78	75	74	79	69	74	73	69	....	72.7
	Minimum	57	46	43	44	48	46	47	56	46	47	57	58	62	54	58	52	42	45	53	44	45	46	48	48	42	38	39	38	39	44	....	47.7
Freeland	Maximum	74	69	69	79	76	72	67	67	69	64	65	61	73	69	78	66	59	61	65	63	52	53	72	75	65	68	72	70	66	60	....	67.3
	Minimum	63	47	51	56	49	43	51	50	42	43	48	53	60	55	61	50	43	53	59	51	45	43	46	53	39	41	52	43	52	48	....	49.7
George School	Maximum	79	75	78	86	83	76	81	74	71	70	74	72	82	82	87	85	68	66	72	69	62	67	66	80	73	75	80	76	71	64	....	74.8
	Minimum	66	59	50	61	60	50	54	56	48	41	52	50	65	56	67	62	51	60	64	61	52	42	52	51	46	41	53	47	51	53	....	54.0
Gettysburg	Maximum	82	76	76	90	84	74	85	77	73	73	66	69	85	80	86	78	67	65	69	67	63	66	80	86	78	75	86	77	71	67	....	75.7
	Minimum	68	57	55	61	68	55	58	59	52	50	56	59	64	58	65	58	52	56	62	56	52	45	51	54	48	39	55	48	54	53	....	55.6
Gordon	Maximum	79	73	74	85	79	73	74	69	71	69	66	65	77	72	83	71	58	63	70	66	56	58	76	80	69	72	78	72	68	62	....	70.9
	Minimum	63	51	44	52	56	45	52	50	39	38	51	53	62	49	65	53	42	52	61	51	49	42	49	44	38	32	53	37	44	51	....	48.9
Greensburg	Maximum	75	74	80	86	82	85	87	75	78	75	70	75	82	75	74	64	65	78	69	63	60	56	76	81	71	82	76	75	77	65	....	74.4
	Minimum	63	51	46	59	57	52	60	56	53	59	58	61	66	59	64	53	51	50	54	51	46	45	50	57	40	44	61	39	40	49	....	53.1
Greenville	Maximum	82	76	81	89	79	83	83	81	85	77	73	81	81	77	74	71	72	78	63	65	57	54	80	73	78	83	83	78	73	68	....	75.9
	Minimum	52	42	38	55	47	47	58	56	53	58	57	59	63	55	60	50	41	40	54	35	42	42	50	50	37	40	57	35	43	42	....	48.6
Grove City	Maximum	75	75	75	85	76	82	77	74	76	72	67	75	79	74	72	68	60	76	63	61	57	52	75	75	70	79	78	75	73	65	....	72.0
	Minimum	60	42	62	57	50	49	60	53	49	56	55	58	53	55	50	48	44	44	52	39	42	44	49	54	42	45	60	39	45	41	....	49.9
Harrisburg*	Maximum	80	75	76	90	76	71	78	71	70	70	67	68	82	72	83	68	58	67	70	64	60	60	77	83	68	72	81	71	71	62	....	72.0
	Minimum	66	57	55	62	62	55	62	58	53	50	57	61	63	59	66	54	52	58	63	55	53	48	52	59	49	44	57	50	53	53	....	56.2
Hawley	Maximum	74	73	74	82	72	74	71	68	67	69	72	64	76	73	82	66	57	60	67	66	56	58	69	77	65	72	73	71	68	58	....	69.1
	Minimum	64	43	38	57	45	33	43	45	36	34	43	46	61	49	58	53	40	54	58	54	47	44	48	40	33	30	44	36	40	42	....	45.3
Holtwood*	Maximum	78	73	78	90	79	77	82	75	73	71	70	73	82	77	88	72	63	72	73	65	60	64	77	82	69	74	81	72	70	60	....	74.0
	Minimum	67	61	59	67	59	57	64	59	56	52	60	64	63	61	72	59	57	63	65	56	54	48	55	57	50	46	57	53	57	51	....	58.3
Huntingdon	Maximum	81	76	83	89	83	80	83	....	74	74	63	67	84	66	83	67	53	61	71	62	64	61	78	83	71	77	82	77	72	64	....	73.4[a]
	Minimum	62	52	46	53	54	46	50	....	45	49	58	58	61	53	61	46	45	53	60	51	43	50	51	46	39	38	60	38	47	50	....	50.5[a]
Johnstown	Maximum	80	77	81	89	83	83	84	80	79	69	64	80	86	75	76	69	59	72	74	61	61	57	79	83	77	84	78	80	75	65	....	75.3
	Minimum	65	51	45	59	54	50	52	55	52	54	56	59	64	56	61	53	50	52	54	53	42	48	50	49	43	39	52	41	46	51	....	51.9
Kylertown*	Maximum	75	71	76	83	75	73	75	70	70	68	59	66	79	67	75	60	50	62	69	52	54	53	72	77	68	74	72	75	65	63	....	68.3
	Minimum	54	45	42	56	52	45	55	48	42	51	54	55	60	55	53	43	43	49	52	39	36	45	51	51	35	36	46	37	42	41	....	47.1
Lancaster	Maximum	82	78	76	90	89	80	82	78	77	71	70	72	86	81	88	80	69	69	72	70	62	67	80	85	76	74	83	74	71	67	....	76.6
	Minimum	65	55	50	60	56	50	60	60	46	42	54	59	60	57	67	61	54	58	65	59	51	42	50	57	43	37	49	43	49	55	....	53.8
Lawrenceville	Maximum	79	75	81	86	75	79	70	67	71	74	68	66	75	70	75	64	55	68	75	68	70	70	76	76	68	77	73	76	66	64	....	71.9
	Minimum	56	46	37	55	42	32	50	47	38	36	52	54	58	52	60	49	45	50	54	48	43	42	46	44	36	33	54	37	39	37	....	45.7
Lebanon‡	Maximum	79	76	78	90	78	76	82	73	70	71	63	69	82	75	87	71	60	67	72	61	59	64	78	85	85	75	83	77	71	60	....	73.9
	Minimum	66	59	52	52	57	54	55	60	50	46	49	56	61	55	62	59	52	52	59	59	51	45	49	51	46	39	49	45	49	55	....	53.1
Lewistown	Maximum	85	81	81	88	91	81	81	78	78	78	68	76	85	84	82	80	61	66	72	74	64	62	76	82	82	84	82	82	81	80	....	78.2
	Minimum	65	55	50	58	59	53	54	58	49	51	58	58	64	58	65	53	48	53	63	53	48	48	51	50	44	41	54	44	51	54	....	53.7
Lock Haven	Maximum	84	78	79	87	86	78	76	74	72	72	72	67	84	78	83	77	62	65	73	72	56	61	79	83	70	71	74	74	72	69	....	74.3
	Minimum	61	51	44	56	51	46	52	52	42	42	56	58	64	55	64	49	47	51	58	50	45	49	50	50	42	38	51	42	44	47	....	50.2
Marcus Hook*	Maximum	82	83	89	95	78	84	84	71	75	....	75	82	83	85	86	74	70	75	73	70	71	78	85	85	76	80	80	74	62	67	....	78.3[a]
	Minimum	61	57	65	64	56	64	62	51	49	....	58	67	61	71	64	55	62	68	62	53	52	57	60	52	48	58	54	58	55	49	....	58.4[a]
Meadville	Maximum	72	74	75	84	71	80	77	71	76	74	64	77	71	77	68	63	65	72	59	62	57	61	75	71	72	79	68	72	69	66	....	70.7
	Minimum	45	41	43	44	45	52	53	47	51	57	58	62	53	61	51	42	47	54	40	41	44	48	49	38	39	45	36	37	41	35	....	46.6
Midland	Maximum	78	72	77	86	80	84	85	75	75	77	85	85	78	76	73	66	68	76	67	64	61	57	75	79	70	82	83	70	70	68	....	74.7
	Minimum	62	49	48	60	56	53	59	58	56	59	60	64	65	59	63	53	51	64	58	44	48	47	51	52	45	46	57	42	46	48	....	54.1
Montrose	Maximum	73	69	73	79	75	72	69	65	60	67	71	61	73	69	76	65	52	64	69	62	48	55	69	72	74	69	70	68	63	61	....	67.1
	Minimum	59	41	44	56	44	37	50	46	38	41	48	52	58	53	61	46	43	49	59	45	44	41	45	50	35	38	51	41	47	41	....	46.8
Mount Pocono	Maximum	76	70	74	76	70	68	70	70	65	64	64	65	75	73	80	75	56	65	60	62	55	55	71	76	69	68	70	71	66	58	....	67.9
	Minimum	48	50	41	55	42	38	36	45	35	36	48	52	54	52	58	50	36	50	50	50	50	40	45	45	34	37	36	38	44	45	....	44.7
Muncy Valley	Maximum	79	75	81	82	71	73	69	71	68	69	67	71	69	79	76	67	58	65	66	61	51	57	74	77	63	70	73	71	69	66	....	69.6
	Minimum	56	55	43	44	36	43	47	44	38	36	43	50	50	53	56	48	43	52	50	51	48	43	48	43	37	32	50	36	43	45	....	45.4
New Bloomfield	Maximum	81	74	76	89	85	73	80	72	72	72	64	65	83	71	85	70	54	60	67	66	58	63	77	84	70	74	77	83	68	61	....	72.5
	Minimum	52	52	54	47	51	47	53	56	44	45	55	57	60	51	66	47	49	51	53	54	50	41	50	48	45	33	40	38	47	50	....	49.5
New Castle	Maximum	77	76	81	78	78	79	81	78	80	77	78	77	79	75	74	73	66	78	75	67	58	56	79	78	76	83	81	77	75	70	....	75.3
	Minimum	56	46	43	55	49	49	56	57	54	57	59	61	66	56	62	46	44	51	55	43	43	47	46	52	37	42	57	48	43	45	....	50.8
Palmerton*	Maximum	79	73	74	85	73	73	75	72	69	69	71	68	77	74	84	67	59	65	69	65	55	61	77	81	69	72	77	72	69	59	....	71.1
	Minimum	61	51	47	62	51	43	58	54	44	40	53	60	58	53	66	48	47	59	64	55	49	45	52	49	43	37	52	42	50	47	....	51.3
Philadelphia*	Maximum	79	73	76	85	79	75	80	73	68	71	70	74	82	78	84	75	65	69	71	70	60	65	78	83	72	73	79	73	70	61	....	73.7
	Minimum	69	63	60	64	62	57	61	60	53	53	57	60	66	63	72	58	56	62	65	60	53	51	54	59	52	51	56	57	60	53	....	58.9
Phoenixville	Maximum	83	78	78	86	85	74	83	77	70	70	71	73	81	80	86	84	73	67	72	70	65	68	78	85	81	74	80	74	71	67	....	76.1
	Minimum	68	59	50	61	57	50	55	61	44	40	52	54	65	51	70	63	52	62	66	61	53	44	50	48	45	37	51	44	50	55	....	53.9
Pittsburgh*	Maximum	77	73	79	86	80	84	84	74	76	73	72	74	80	74	72	64	66	78	64	61	58	56	76	80	71	80	73	75	71	66	....	73.2
	Minimum	60	54	48	61	58	53	63	55	54	59	57	63	63	60	59	52	50	53	53	48	47	44	52	55	45	50	54	45	51	50	....	53.9

Continued on page 53.

Daily Temperatures for September, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton..........	Maximum....	85	77	75	86	86	74	77	75	74	75	76	69	79	78	82	83	66	65	71	69	62	61	76	83	82	75	77	74	71	68	....	75.0
	Minimum,...	65	55	44	60	52	63	62	57	43	38	53	54	63	60	66	69	47	56	63	58	49	41	50	47	42	35	51	41	47	53	....	51.5
Quakertown..........	Maximum,...	79	78	76	82	81	72	79	70	67	68	73	71	77	78	83	80	72	65	63	70	61	64	75	79	75	72	77	72	69	63	....	73.0
	Minimum....	66	62	47	60	48	45	51	56	42	36	49	49	63	50	65	60	53	48	68	59	50	42	48	46	43	35	48	40	40	42	....	49.7
Reading*,............	Maximum,...	78	74	76	86	77	74	79	73	69	70	67	70	80	76	84	71	60	65	71	62	55	64	76	82	70	74	81	74	70	62	....	72.3
	Minimum....	67	60	54	65	61	54	60	58	52	45	54	59	64	66	59	65	53	59	62	54	50	47	52	59	50	43	58	52	54	51	....	55.9
Retreat...............	Maximum....	79	69	70	74	74	68	66	66	66	65	64	64	67	66	69	69	67	66	66	66	56	57	61	62	62	64	67	67	65	69	....	66.4
	Minimum....	64	49	42	69	48	39	50	53	41	38	65	60	61	51	64	50	43	54	61	63	51	43	49	46	36	35	50	39	45	48	....	48.9
Ridgway‡.............	Maximum,...	80	76	72	76	85	73	79	76	71	75	75	61	76	79	73	72	58	54	73	70	60	59	56	74	77	70	77	69	74	70	....	71.3
	Minimum,...	56	43	38	42	44	39	42	51	36	42	52	55	59	50	58	47	35	42	63	50	38	39	48	43	35	32	33	36	36	38	....	43.7
Scranton*,............	Maximum,...	75	71	75	84	70	75	73	67	70	70	73	68	77	76	81	62	58	68	72	65	62	59	74	78	66	73	76	71	70	62	....	70.4
	Minimum,...	60	52	47	60	60	40	55	63	43	43	65	58	61	55	62	48	46	58	65	60	47	47	51	47	44	36	50	41	48	51	....	60.8
Selinsgrove...........	Maximum,...	82	75	78	89	86	75	76	73	72	72	69	66	82	75	84	76	60	65	69	68	55	60	78	82	70	75	79	73	71	67	....	73.4
	Minimum,...	69	51	45	58	56	48	57	55	41	41	56	58	63	52	65	53	45	53	69	52	50	46	50	49	50	39	56	40	48	37	....	51.0
Somerset...............	Maximum,...	70	70	70	79	79	73	76	68	65	66	59	66	72	72	72	61	58	70	64	60	54	51	68	72	68	73	68	67	67	61	....	67.8
	Minimum....	58	41	33	51	45	40	44	50	49	51	52	65	61	49	61	45	45	47	44	47	32	42	45	44	31	30	50	35	38	46	....	46.4
Springs...............	Maximum....	74	67	76	81	79	70	78	69	66	58	59	70	71	72	72	63	52	67	67	55	53	60	69	74	69	76	72	75	67	59	....	67.7
	Minimum....	59	48	46	57	57	61	53	53	64	52	50	54	61	60	68	51	45	47	51	45	40	43	46	53	40	44	54	48	49	60	....	50.6
State College..........	Maximum,...	77	72	77	85	77	74	77	71	72	71	65	66	80	67	77	66	60	64	68	63	68	57	71	78	67	72	76	73	67	62	....	70.3
	Minimum,...	62	52	46	64	54	48	51	50	43	49	62	56	61	55	63	48	44	49	52	51	42	47	48	56	40	37	48	40	44	46	....	49.6
Stroudsburg‡.........	Maximum,...	78	79	83	79	76	76	74	72	70	72	70	70	81	78	86	70	70	69	66	66	65	78	78	81	76	75	75	73	70	56	....	73.7
	Minimum,...	53	63	65	53	49	38	45	53	50	37	46	49	66	58	61	59	42	56	58	62	63	44	40	36	41	34	44	40	46	50	....	50.0
Towanda.............	Maximum,...	75	71	77	85	71	74	69	68	68	74	71	66	78	72	79	66	64	68	72	66	53	61	76	80	67	74	76	74	68	65	....	70.6
	Minimum,...	59	47	41	62	48	37	60	51	38	38	50	51	69	62	64	51	48	52	60	48	47	42	50	44	38	34	52	38	44	43	....	47.9
Uniontown,............	Maximum,...	81	76	83	92	85	85	87	79	79	77	75	76	77	77	81	72	66	79	73	66	61	60	78	84	75	83	80	78	78	70	....	77.1
	Minimum,...	64	50	44	62	56	64	62	68	59	60	61	64	66	64	66	56	53	53	53	48	47	47	61	55	42	44	60	51	48	63	....	56.0
Vandergrift*,..........	Maximum,...	80	78	84	91	85	88	86	78	78	79	67	81	84	76	77	67	64	81	72	62	65	61	80	85	74	83	78	79	73	70	....	76.9
	Minimum,...	56	60	45	59	53	57	66	52	53	60	58	63	59	56	56	49	49	50	59	47	45	48	63	48	40	39	47	40	43	49	....	51.3
Warren...............	Maximum,...	73	73	74	83	70	79	71	69	72	77	64	77	75	68	68	60	57	75	66	67	60	51	75	72	72	78	69	73	68	68	....	70.1
	Minimum,...	55	46	41	57	47	39	57	52	40	49	54	59	60	54	57	47	40	53	52	46	41	47	51	48	40	36	44	39	42	40	....	47.8
Waynesburg..........	Maximum,...	81	74	82	90	85	88	84	81	82	82	79	75	76	77	75	70	71	79	72	62	60	56	78	82	77	82	79	79	78	68	...	76.8
	Minimum,...	62	47	41	62	66	49	60	58	58	60	64	66	66	65	65	54	54	54	54	45	46	46	52	54	41	44	60	48	46	50	....	54.2
Wellsboro,............	Maximum,...	74	70	76	83	76	77	72	65	70	72	63	65	75	67	75	68	64	64	73	67	62	53	72	76	68	73	69	72	65	62	.. .	69.6
	Minimum,...	57	45	38	54	43	34	50	48	36	36	54	57	61	52	52	60	45	61	58	42	43	45	48	43	37	32	54	37	40	39	....	46.0
West Chester.........	Maximum....	78	73	78	86	79	76	80	76	71	73	74	70	82	82	87	75	67	68	68	65	63	68	77	84	70	76	79	74	69	60	....	74.2
	Minimum....	66	58	52	61	62	52	66	59	48	42	42	57	64	57	70	61	52	60	63	60	51	44	51	53	56	41	53	48	54	52	....	54.8
Wilkes-Barre*	Maximum....	76	73	77	86	74	78	73	70	72	71	73	66	77	77	82	70	57	71	72	68	53	61	77	80	68	73	76	72	70	63	....	71.9
	Minimum....	65	50	44	60	51	38	51	56	44	41	53	51	64	53	65	54	45	55	65	51	49	46	50	45	40	37	54	41	46	51	....	50.4
Williamsport,.........	Maximum,...	76	74	80	87	79	77	73	71	73	73	67	65	80	76	81	77	56	66	71	69	54	59	78	81	70	73	75	73	71	65	....	72.3
	Minimum,...	64	49	45	57	50	43	53	52	41	42	56	62	63	55	65	51	50	53	60	50	48	49	47	49	39	36	54	39	45	46	....	60.4
Williamstown,........	Maximum...,	83	78	76	90	90	83	74	73	72	69	72	68	81	79	81	78	64	60	69	66	53	57	75	79	83	80	75	73	72	67	....	74.0
	Minimum....	62	51	54	57	56	49	56	63	44	50	54	54	60	57	60	52	46	50	58	51	44	44	46	43	40	46	47	46	53	49	....	51.0
York..................	Maximum,. .	80	78	74	88	87	72	83	74	71	70	68	69	84	81	85	78	65	68	70	67	59	65	78	83	80	74	82	76	70	66	....	74.8
	Minimum .. .	66	55	53	62	57	52	60	60	49	49	57	60	63	53	70	59	53	57	64	57	56	45	52	50	45	38	53	45	52	55	....	54.9

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie..............	30.00	30.37	25	29.51	14	8.2	20	se.	11	80	70	78	55
Harrisburg......	30.02	30.39	6	29.45	21	6.8	22	nw.	21	79	59	66	59
Philadelphia....	30.02	30.37	6	29.17	21	12.1	37	nw.	21	79	58	68	55
Pittsburgh.......	30.02	30.33	25	29.57	14	9.7	29	w.	12	85	55	63	57
Reading..........	30.03	30.38	6	29.42	21	9.7	31	nw.	21	80	62	68	49
Scranton.........	30.03	30.40	6	29.31	21	6.4	24	nw.	24	82	56	66	62

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y..........	Delaware.............	4.0	15.0	22	1.9	6	18
Easton...	Delaware.............	4.5	21.5	23	1.2	7	22
Lehighton	Lehigh...............	3.6	6.6	22	2.5	10	9
Wilkes-Barre.............	Susquehanna.........	4.7	14.8	24	1.5	9	20
Williamsport.............	Susquehanna.........	0.7	1.3	22	0.4	6	20
Harrisburg...............	Susquehanna.........	3.9	6.9	25	3.1	7	18
Greensboro...............	Monongahela.........	10.6	11.2	17	10.2	9	30
West Newton.............	Youghiogheny........	0.2	1.0	14	0.0	6	20
Lock No. 4...............	Monongahela.........	11.2	12.0	17	10.7	4	30
Pittsburgh...............	Ohio..................	.....	17.1*	16	16.4*	16	25
Midland..................	Ohio..................	.....	16.1*	12	9.0*	11	30

* Pool stage.

7.03
YP

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. OCTOBER, 1938. No. 10.

GENERAL SUMMARY.

October lived up to its reputation for pleasant weather with eighteen clear, six partly cloudy, and only seven cloudy days. The temperature conditions were equally pleasant with an average daily excess of two degrees, while the precipitation was not quite sixty per cent of the normal. The temperature excess accumulated, chiefly, during the second decade, when there were five decidedly warm days. Frosts were fairly general on the 7th and 8th, but only severe enough to kill tender vegetation, such as tomato vines, and the damage was not important. The conditions, as a whole, were almost ideal for outdoor work of all kinds. Field work, on the farms, made rapid progress, and was generally ahead of the season at the end of the month, when corn husking was well advanced in the southern part, and generally more than half done in the northern part of the State. Silo filling was finished, in most districts, early in the month. The corn crop was a little better than the ten-year average in most regions, and was cribbed in fine condition. Apple gathering and potato digging were in progress practically the entire month. Apples rated high in quality but short in yield, on account of damage by late frosts last spring. Better quality was partly due to the trees not being overloaded, and partly to better care than usual. Increasing attention to proper spraying, under competent supervision, is improving the quality of Pennsylvania orchard fruits year by year. Potatoes measured up well to an average crop in yield, but there was an unusual amount of small potatoes, due to the effects of blight in the late crop, and the quality of the crop was not up to expectations. Seeding of the winter grains was finished in most regions during the first ten days, and, wherever the moisture was sufficient, the grains were up to good stands at the end of the month. Pastures and other late feed were not hurt much by frosts or freezing, and held up very well, considering the shortage of rainfall. This month served to close up a fairly satisfactory agricultural season, in which most crops equaled or exceeded the ten-year average. There were no severe local storms during the month, and practically no damage, worth considering, by weather conditions.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 54.5°, which is 2.0° above the 51-year normal for October. The highest monthly mean was 60.5°, at Marcus Hook, and the lowest 46.9° at Somerset. The highest temperature was 91° at Bethlehem on the 17th, while the lowest was 16° at Somerset on the 31st. The greatest daily range in temperature was 59° at Brookville on the 26th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 175 stations was 1.81 inches, which is 1.42 inches below the 51-year normal for October. The greatest monthly amount was 3.67 inches at Orwigsburg, and the least was 0.60 inch at Center Hall. The greatest amount recorded in any 24 consecutive hours was 1.70 inches at Susquehanna on the 23d-24th.

Snowfall for the State averaged merely a trace, which is 0.2 inch below the normal for the month. Only two stations reported snowfall: Orwigsburg and Towanda, with a trace on the 27th and 28th, respectively.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	46.3	74	19	4.02	T	16	9	6	16
1889	47.3	83	13	3.85	0.2	10	8	9	14
1890	50.9	81	21	5.87	0.3	15	6	8	17
1891	50.6	91	15	3.06	T.	8	11	9	11
1892	50.8	83	16	0.72	T.	6	13	11	7
1893	53.0	91	17	3.26	T.	8	14	8	9
1894	53.6	88	24	4.26	T.	9	12	8	11
1895	47.3	76	17	1.99	0.3	5	17	8	6
1896	48.9	86	18	3.19	T.	9	11	8	12
1897	54.2	95	16	1.32	T.	5	14	8	9
1898	53.8	92	20	5.20	T.	12	11	7	13
1899	54.6	94	15	1.55	0	6	13	8	10
1900	58.6	95	19	2.74	0	8	11	9	11
1901	52.2	83	20	1.23	T.	5	16	10	5
1902	53.1	89	19	4.64	0.1	9	12	9	10
1903	53.4	91	20	4.64	0.1	9	12	8	11
1904	50.6	91	12	2.87	T.	7	15	8	8
1905	53.2	90	16	4.23	T.	9	14	7	10
1906	52.0	87	14	4.46	1.1	14	7	7	17
1907	48.2	87	13	3.16	T.	7	16	8	7
1908	54.6	93	19	1.95	T.	6	16	7	8
1909	48.4	87	15	2.27	T.	7	13	7	11
1910	55.6	91	14	1.91	0.5	7	16	8	7
1911	52.3	83	18	4.83	T.	11	11	7	13
1912	54.2	90	23	2.74	T.	7	15	7	9
1913	54.9	88	16	5.44	0.2	13	10	6	15
1914	56.4	91	11	2.35	T.	9	11	9	11
1915	54.2	85	17	2.65	T	8	15	7	9
1916	52.1	92	16	2.25	T.	6	18	7	6
1917	47.2	84	12	6.38	1.7	13	10	10	11
1918	55.5	85	19	3.17	0	10	15	8	8
1919	57.5	92	21	4.77	0	17	9	8	14
1920	57.5	88	22	1.67	T.	5	19	7	5
1921	52.6	84	18	2.16	0	8	17	7	7
1922	54.8	94	12	2.51	T.	7	18	6	7
1923	51.0	87	12	2.38	T.	8	15	8	8
1924	52.9	87	14	0.28	0	2	21	7	3
1925	46.1	83	9	4.83	3.8	15	6	8	17
1926	51.9	90	16	4.51	0.2	14	10	9	12
1927	55.6	99	21	6.40	0.1	9	17	5	9
1928	55.1	91	15	1.78	0.1	8	14	8	9
1929	50.6	85	14	5.59	T.	9	12	8	11
1930	50.8	93	9	0.99	0.2	6	15	7	9
1931	55.7	93	20	1.83	T.	9	15	8	8
1932	53.8	86	20	5.31	T.	11	10	7	14
1933	51.6	90	11	1.91	T	8	16	9	6
1934	51.8	84	11	1.46	0.6	6	17	7	7
1935	53.0	89	16	2.77	T.	9	16	8	7
1936	54.0	87	11	3.69	T.	11	13	6	12
1937	50.6	89	12	5.84	0.1	14	8	8	15
1938	54.5	91	16	1.81	T.	6	18	6	7
Period	52.5	99	9	3.23	0.2	9	13	8	10

Climatological Data for October, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	No. of days Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Atlantic Drainage.																				
Allentown	Lehigh	254	26	55.6	+2.5	88	17	32	8	38	3.04	−0.51	0.99	0	9	22	6	3	sw.	John A. Frick.
Altoona	Blair	1,615	51	54.0	+1.9	85	19	27	7†	39	0.61	−2.58	0.23	0	5	23	3	5	w.	John J. Martin.
Ardmore	Montgomery	350	18	54.0	−0.3	82	17	35	8†	32	3.13	−0.48	1.30	0	4	16	8	7	......	H. L. Balderston.
Areudtsville	Adams	700	16	55.5	+1.3	89	17	32	26	41	1.70	−1.80	0.73	0	6	24	2	5	nw.	Harold J. Miller.
Bedford	Bedford	1,060	6	53.4	......	85	19	25	31	44	0.94	....	0.36	0	4	23	0	8	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	58.5	+2.5	91	17	36	4†	38	3.10	−0.25	1.04	0	6	14	10	7	w.	Lehigh University.
Bloomsburg	Columbia	500	12	....	......	......	......	......	......	....	......	....	......	......	....	....	....	....	....	Bloomsburg Water Co.
Carlisle	Cumberland	467	72	56.2	+3.2	87	17	31	8†	41	2.04	−1.35	0.86	0	5	24	1	6	sw.	Prof. C. E. Miller.
Chambersburg	Franklin	580	39	56.2	+2.9	85	17	29	8	39	2.03	−1.04	0.97	0	8	22	4	5	ne.	William B. Spear.
Clearfield	Clearfield	1,120	31	53.8	+1.3	89	17	26	8	51	1.78	−1.61	1.22	0	7	13	9	9	w.	John Hess.
Coatesville	Chester	380	51	54.8	+0.7	88	17	33	8†	36	2.35	−1.01	1.02	0	5	18	2	11	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	52.6	+0.1	81	17	27	8	36	2.73	−0.79	1.14	0	6	22	4	5	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	52.7^{b}	+2.6	86^{b}	11†	24^{b}	7	49^{b}	1.45	−1.78	0.49	0	8	23	3	5	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	56.4	+1.7	87	17	31	8	39	2.82	−0.28	1.07	0	7	21	2	8	n.	Ira J. Keath
Freeland	Luzerne	1,970	45	53.6	+6.0	82	17	31	7	28	2.93	−1.36	0.85	0	9	12	2	17	w.	Andrew B. Evansha
George School	Bucks	190	32	57.3	+2.0	90	17	34	8†	39	2.66	−1.04	1.03	0	8	21	6	4	nw.	Prof. N. W. Swayue.
Gettysburg	Adams	553	65	57.1	+3.8	88	17	35	4†	40	1.64	−1.76	0.56	0	8	23	1	7	n.	Dr Henry Stewart
Gordon	Schuylkill	840	34	52.0	+1.2	83	17	24	8	43	2.44	−1.88	1.02	0	7	23	4	4	sw.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	....	......	......	....	20	8	....	2.14	−1.78	1.03	0	5	22	2	7	w.	Ronald H. Marshall.
Hauover	York	600	34	57.1	+0.8	86	17	32	8	34	1.99	−0.95	0.81	0	8	22	4	5	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	56.8	+2.0	84	17	37	8	32	2.42	−0.51	1.02	0	6	19	5	7	n.	U. S. Weather Bureau.
Hawley	Wayne	900	20	51.2	+1.8	83	17	21	8	45	1.32	−2.04	0.56	0	6	24	1	6	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	57.4	+0.8	81	17	41	8†	29	2.16	−0.65	0.69	0	8	21	5	5	nw.	H. W. Lowy, C. E.
Huntingdou	Huntingdon	650	51	54.0	+1.3	86	17†	27	26	48	1.39	−1.68	0.71	0	4	17	8	6	w.	Prof. Paul R. Yoder.
Kyiertown	Clearfield	1,694	7	51.8	......	83	17	26	8	39	1.23	....	0.88	0	7	14	10	7	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	54.4	+0.9	86	17	29	8†	42	2.53	−0.56	1.25	0	7	25	0	6	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	41	51.0	+0.4	86	12†	23	8	46	0.82	−2.01	0.50	0	3	18	7	6	......	C. P. Darling.
Lebanon	Lebanon	469	54	55.4	+1.7	89	17	30	8	44	2.71	−0.68	0.97	0	8	22	3	6	sw.	Lebanon Valley Gas
Lewistown	Mifflin	500	....	57.1	......	85	17	31	7†	40	1.34	....	0.73	0	4	15	6	10	ne.	Penna. Edison Co.
Lock Haven	Clinton	580	48	54.3	+0.7	82	17	30	7†	37	1.66	−1.47	1.13	0	8	15	12	4	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	12	60.5	+1.0	86	16	41	7†	30	1.58	−0.77	0.68	0	4	23	3	5	w.	Sun Oil Co.
Montrose	Susquehanna	1,620	33	52.1	+2.9	80	16†	28	7†	37	2.07	−1.49	0.90	0	7	12	11	8	nw.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	51.8	+3.5	82	12	27	8	40	2.85	−1.83	1.00	0	6	17	9	5	n.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	26	52.0	+0.9	81	17	25	8	41	2.31	−1.30	0.68	0	5	21	6	4	w.	H. O. Hacker.
Neshaminy Falls	Bucks	60	49	55.7	+1.7	87	17	32	26	39	2.71	−1.31	0.98	0	5	21	1	9	sw.	Philadelphia Sub. Water Co.
New Bloomfield	Perry	679	....	53.6	......	87	17	26	8	45	1.91	....	0.92	0	4	21	6	4	w.	J. Earl Sneaffer
Palmerton	Carbon	398	20	54.4	+2.4	86	17	28	8	39	2.57	−0.82	0.91	0	5	12	12	7	ne.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	59.3	+1.5	89	17	42	8	30	2.09	−0.72	0.83	0	5	16	8	7	n.	U. S. Weather Bureau
Phila. Navy Yard	Philadelphia	20	22	58.1	+0.8	88	17	40	8	34	2.16	−0.95	0.76	0	5	16	6	9	n.	Navy Aerological Office
Phœnixville	Chester	100	28	56.0	+0.9	81	13†	29	8	40	3.05	−0.57	0.87	0	7	21	7	3	ne.	Philadelphia Sub. Water Co
Port Clinton	Schuylkill	407	....	54.4	+0.9	85	17	28	8	40	3.03	−0.94	1.14	0	7	22	0	9	n.	E. E. Rarick.
Quakertown	Bucks	496	53	52.6	+0.3	83	17	27	8	38	3.03	−0.89	1.06	0	6	19	6	6	nw.	John E. Benner.
Reading	Berks	273	68	57.8	+3.1	86	17	35	8	31	2.49	−0.63	0.83	0	6	7	6	8	n.	U. S. Weather Bureau.
Scranton	Lackawanna	746	44	54.3	+2.5	83	17	30	8	37	1.60	−1.43	0.60	0	6	12	11	8	n.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	53.7	+0.8	82	17	26	30	38	1.98	−1.59	0.75	0	7	20	8	3	n.	Dr. George E. Fisher.
Shawmont	Philadelphia	51	42	55.7	−0.4	80	17	35	8	29	1.86	−1.39	0.75	0	7	16	8	7	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	55.9	......	83	17	30	8	37	1.76	....	0.78	0	7	20	4	7	sw.	State Teachers College
State College	Center	1,217	54	53.4	+2.2	84	17	26	31	38	1.18	−1.84	0.60	0	6	14	13	4	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	55.8	+3.8	89	17†	28	8	45	2.90	−0.84	1.25	0	5	22	3	6	sw.	State Teachers College
Towanda	Bradford	754	44	52.7	+1.8	86	17	26	8	44	1.21	−1.70	0.53	T.	6	14	6	11	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	50.6	+1.7	81	18	22	8	44	0.66	−2.37	0.26	0	6	25	1	5	nw.	George W. Hill.
West Chester	Chester	455	89	56.4	+1.8	86	17	34	8	33	2.59	−1.03	0.87	0	8	24	3	4	nw.	Harlan Saylor.
Wilkes-Barre (Airport)	Luzerne	544	....	53.8	......	85	17	29	8	40	1.71	....	0.73	0	7	10	12	9	ne.	U. S. Airways Station.
Williamsport	Lycoming	521	52	54.2	+1.5	86	17	30	2†	38	1.43	−1.79	0.81	0	9	17	7	7	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	56.2	+2.8	84	17	31	8	37	2.63	−1.08	1.05	0	6	20	5	6	sw.	Susquehanna Collieries Co.
York	York	400	50	54.4	+0.3	86	17	30	8	40	2.34	−0.70	1.10	0	7	25	1	5	n.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	58.8	+9.5	85	11†	22	7	59	2.02	−1.25	0.59	0	10	10	11	10	.....	Frank S. Fawcett.
Butler	Butler	1,077	25	54.2	+1.2	86	11†	25	7†	46	1.56	−1.31	0.33	0	7	22	5	4	nw.	William C. Faust.
Chambersville	Indiana	1,047	37	51.2	−1.2	84	12†	23	7†	46	1.50	−2.01	0.51	0	8	18	4	9	w.	John E. Lewis.
Clairton	Allegheny	1,020	6	53.2	......	82	12†	29	8	39	1.43	....	0.49	0	6	20	3	8	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	54.4	+0.3	84	12†	25	7†	44	0.96	−2.29	0.39	0	6	23	1	7	w.	J. L. Melvin.
Corry	Erie	1,430	25	51.6	+2.3	86	11	21	31	49	1.80	−2.26	0.52	0	7	23	4	4	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	50.6	.....	85	17	18	8	50	1.47	....	0.65	0	7	22	2	7	nw.	Philip R. Shaw
Dahoga	Elk	2,020	6	52 1	......	82	11†	25	7†	40	1.74	....	0.56	0	8	18	2	11	w.	U. S. Forest Service.
Derry	Westmoreland	1,172	41	55.4	+1.3	87	18	26	8	46	2.04	−1.20	1.05	0	5	18	9	4	w.	Ted R. Wineman.
Donora	Washington	762	12	57.2	+1.4	87	18	33	31	39	0.95	−1.92	0.40	0	5	4	5	22	nw.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	52.2	+2.2	80	17†	25	7†	43	0.64	−2.68	0.32	0	6	22	5	4	w.	D. H. Jones.
Franklin	Venango	957	64	52.2	+1.0	85	11†	28	7†	50	1.45	−1.84	0.31	0	9	2	3	26	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	55.2	+1.1	84	12†	28	8	41	1.58	−1.44	0.81	0	7	19	6	6	ne.	Westmoreland Water Co.
Greenville	Mercer	950	42	54.4	+3.1	85	17	25	7	44	1.53	−1.99	0.35	0	8	22	2	7	.....	Charles P. Clarke.
Grove City	Mercer	1,256	31	55.0	+2.9	84	16	30	7	39	1.09	−2.08	0.34	0	6	18	9	4	nw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	54 6	+0.7	85	12†	25	8	44	1.47	−1.40	0.54	0	7	24	4	3	.....	W. F. Gallagher.
Johnstown	Cambria	1,184	56	56.2	+2.4	88	18	29	8	48	1.05	−2.21	0.41	0	7	21	5	5	w.	Robert Tross.
Lycippus	Westmoreland	1,420	46	54.3	0.0	82	16	29	7	32	1.59	−1.81	0.63	0	6	14	7	10	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	51 4	+0.5	84	16	24	31	43	1.62	−2.15	0.36	0	9	15	9	7	s.	Paul F. Cov
Midland	Beaver	691	1	53.8	......	81	19	31	7	36	1.23	....	0.40	0	9	18	6	7	se.	Perry P. Campbell
New Castle	Lawrence	808	58	54.8	+2.4	85	12	25	7†	44	1.00	−1.80	0.18	0	13	18	7	6	nw.	New Castle Water Co.
Newell	Fayette	800	18	54.7	−0.4	85	18	29	8	44	1.20	−1.36	0.49	0	6	12	12	7	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	55.1	−0.6	83	18	30	8	38	1.10	−1.42	0.49	0	5	17	6	8	s.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	49.6	+0.8	84	12†	23	8	49	2.11	−1.02	0.68	0	10	20	2	9	s.	West Penn. Power Co.
Sharon	Mercer	940	25	53.6	+0.6	82	11†	26	31	42	1.36	−1.46	0.40	0	5	22	4	5	sw.	Harry H. Gerber.
Somerset	Somerset,	2,190	71	46.9	−2.4	84	18	16	31	55	0.99	−2.22	0.29	0	7	14	10	7	sw.	D. L. Grove.
Springs	Somerset	2,680	21	52.2	+2.6	80	18	28	7	32	1.11	−2.09	0.39	0	4	17	7	7	nw.	J. D. Beachy.
Uniontown	Fayette	1,100	50	55 6	+0.8	86	12	28	8†	42	1.53	−1.84	0.72	0	8	8	19	9	sw.	Wm. W. Marsteller.
Unity Reservoir	Westmoreland	1,240	29	53.1	......	82	12†	27	7†	42	1.65	−1.51	0.70	0	7	0	21	10	nw.	Westmoreland Water Co.
Vandergrift	Westmoreland	825	24	54.8	+0.8	87	16	28	7	43	1.81	−1.18	0.60	0	7	19	9	3	.....	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	52.2	+1.3	85	11	28	8†	45	1.46	−2.06	0.45	0	10	16	3	12	w.	Harold L. Johnson
Waynesburg	Greene	1,035	7	55.4	......	87	18	26	8	46	0.88	....	0.60	0	2	12	13	6	nw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	56.0	+2.6	82	12	35	31	22	1.72	−1.97	0.54	0	9	16	7	8	s.	U. S. Weather Bureau.
For the State¶	....	....	51	54.5	+2.0	91	17	16	31	59	1.81	−1.42	1.70	T.	6	18	6	7	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete. ¶ From all available records.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Dahoga, Kane, RFD; of Springs, Grantsville, Md.

W. B. O. Philadelphia-12-8-38-1050.

Daily Precipitation for October, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage																																	
Allentown‖‖	Lehigh	.01					T.	.99									.03					.92		T.	.04	.75			.15	.14	.01		3.04
Altoona	Juniata						.22								.10						.21	.02			T.			.06					0.61
Ansonia‖‖	W. Br. Susq						.31	.04							T.						.13	.08			T.			.09	.09				0.74
Ardmore‡	Lower Del						.96														1.30				.52			T.	.35				3.13
Arendtsville‖‖	Lower Susq						.54								.04						.73				.36				.01	.02			1.70
Baker's Summit	Juniata						.82								.07						.44				.11					.01			1.45
Bald Eagle ‡	Middle Susq					.04	.42							.03							.17												0.66
Bedford	Juniata						.30								.14						.36				.14			T.	T.	T.			0.94
Bellefonte	W. Br. Susq					T.	.47								.01						.34				.08			T.		T.			0.90
Berwindale‡	W. Br. Susq						.28							.28						.13	.08												0.77
Bethlehem	Lehigh						.73	.21								T.				T.		.94		T.	1.04				.14	.04			3.10
Big Knob‖‖	Middle Susq																																......
Bloomsburg	Susquehanna																																......
Bloserville	Lower Susq						1.30							.10							.76				.36			T	T.	.02			2.54
Buffalo Mills‖‖	Potomac						.06	.33						.14								.36				.08			.03		.09		1.09
Carlisle	Lower Susq					T.	.76	.02							T.						.83	.03		T.	.40				T.	T.			2.04
Carter Camp‡	W. Br. Susq					.29	.51							.10	.02					.11	.18							.16					1.37
Center Hall	Susquehanna						.12														.47							.01					0.60
Chambersburg‖‖	Potomac						.07	.16							.54						.02	.95			.19	.08				.02			2.03
Clearfield	W. Br. Susq					.03	1.19		T.						.17						.12	.05			.04			.18					1.78
Coatesville	Lower Del						1.02														.43				.47				.29	.14			2.35
Colebrook	Lower Susq						1.14														.81			T.	.61			.10	.05	.02			2.73
Conshohocken	Schuylkill						.74	.11								T.						.26			.64	.03			.14	.26			2.18
Doylestown	Lower Del						.89	.03														.41			.76			T.	.29	.26			2.64
Driftwood‡	W. Br. Susq					.10	.72							.13	.02					.14	.17				.04		.17	.08					1.57
Du Bois	W. Br. Susq					T.	.76														.52	.11			.08			.52					1.99
Emporium	W. Br. Susq						*	.49		T.					.22						.30	.12				.08		.22	.02				1.45
English Center‡	W. Br. Susq					.13	.29													.02	.19						*	.20					0.83
Ephrata	Lower Susq						1.07	.05													.68	.13			.67				.14	.08			2.82
Forest City‖‖	N. Br. Susq							.18													.15	.43			.54	.46			.31	.19	.05		2.31
Fredericksville‖‖	Schuylkill						T.	.96														.80			.11	.75			.18	.18			2.98
Freeland‖‖	Lehigh						.09	.79		T.										.01	01	.55			.85	.47			.14	.02			2.93
Galeton	N. Br. Susq					.08	.42								.10						.15	.07			.04			.14					1.00
George School	Lower Del						.82	.21							T.	T.						.39			.51	.02		.01	.33	.37			2.66
Gettysburg	Potomac						.40	.02							.26						.48	.08			.36				.02	.02			1.64
Girardville‖‖	Lower Susq						.14	.86	T.													.50			1.04			.12	T.	T.			2.66
Gordon	Lower Susq					T.	.89	.05													.40				1.02			.03	.02	.03			2.44
Gouldsboro‖‖	Lehigh							.46													.15	.88			.27	.38			T.				2.14
Graterford	Schuylkill						.73	.12														.22			.83				.36				2.26
Hanover	Lower Susq						.74	.07							.10						.31	.15			.51				.06	.05			1.99
Harrisburg***	Lower Susq					T.	1.02								.03						.91			T.	.39			.05	.02	T.			2.42
Hawley‖‖	Upper Del							.24														.42	T.		.15	.41			T.	.08	.02		1.32
Hollisterville‖‖	Upper Del																				T.	.34			.25	.28			.12	.03	.01		1.03
Holtwood‖‖	Lower Susq						.11	.58														.64			.15	.35			.06	.25	.02		2.16
Huntingdon	Juniata						.71								.11						.45				.12			T.	T.				1.39
Huntsdale‡	Lower Susq						.49								.09						.82			.03	.34					.04			1.81
Hyndman‖‖	Potomac						.08		.10						.70							.40			.06	.06				.04	T.		1.44
Kylertown	W. Br. Susq					.03	.88		T.						.04						.13	.04			.01			.10	T.	T.			1.23
Lakeville‖‖	Upper Del						.02	.22													.01	.42	T.		.35	.33			.25	.06	T.		1.66
Lancaster	Lower Susq						1.02	.23													.08	.55			.49				.14	.02			2.53
Lansford‖‖	Lehigh						.19	1.11														.80			.11	.37			.14	T.			2.72
Lawrenceville	N. Br. Susq						.50														T.	T.	.10		T.			.22	T.				0.82
Lebanon‖‖	Lower Susq					.16	.97								.02					.03	.67			.45	.27			T.	.14	T.			2.71
Lehighton‖‖	Lehigh						T.	1.37													T.	.90			.17	.70							3.14
Lewistown	Middle Susq						.73								T.						.35				.24					.02			1.34
Lock Haven	W. Br. Susq						1.13		.01						.01						.24	.14			.10			.02		.01			1.66
Marcus Hook	Lower Del							.68													.29				.38			T.	.23				1.58
Matamoras‖‖	Upper Del							.22														1.12				.85				.42			2.61
Mauch Chunk	Lehigh						1.37														.78				.86			T.					3.01
Millersburg‡	Lower Susq						1.23														.43				.58			.04					2.28
Millville‡	N. Br. Susq					.03	.61														.42				.60			.20					1.86
Montrose	N. Br. Susq						.10			.02											.63	.27			.89			.08		.08			2.07
Morris Run	N. Br. Susq						.47															.29			.14			.36	.04				1.30
Mount Pocono	Upper Del						.75														.30	.60		T.	1.00			.10	.10	T.			2.85
Mt. Union‡	Middle Susq						.94														.37				.11			.02					§
Muncy Valley	W. Br. Susq						.61														.48	.21			.68			.33					2.31
Neshaminy Falls‡	Lower Del						.98	T.											T.		.39				.56			T	.41	.37			2.71
New Bloomfield	Juniata						.92														.58				.40				.01	T.			1.91
New Park	Lower Del						.82															.67			.44				.32				2.25
Newport‖‖	Juniata						.12	.90													.04	.46			.18	.22			T.				1.92
New Tripoli	Schuylkill						1.33	T.													.65	.11			.83			.01	.03	.04			3.00
Orwigsburg	Schuylkill						1.39									T.					.90				1.29			.04	T.	.05			3.67
Palmerton‡	Lehigh					T.	.83									T.				T.	.91			T.	.80			T.	.01	.02			2.57
Paupack‖‖	Upper Del							.30														.49			.25	.35				.06			1.45
Philadelphia***	Lower Del						.83							T.	T.	T.					.19				.70			T	.17	.20			2.09
Phila. Navy Yard‡	Lower Del						.60								T.						.42				.76				.21	.17			2.16
Phila.-P'nt Breeze‡	Lower Del						.79														.30				.52				.31	.18			2.10
Phoenixville	Schuylkill						.87	.22														.64			.84	.03		T.	.29	.16			3.05
Pine Grove	Lower Susq						.15	1.49												.07	*	.78			.58					.09			3.16
Pleasant Mt	Upper Del						.06														.84				1.42			.30					2.62
Port Clinton	Schuylkill					1.14	.34														.35	.35			.67				.12	.06			3.03
Pottstown‖‖	Schuylkill						.80									T.					.75			.02	.76			T.	.10	.01			2.44
Pottsville‖‖	Schuylkill					.08	1.25													.02	.87			.39	.33			.03	T.	T.			2.97
Quakertown	Lower Del						.72	.17												T.	T.	.61			1.06				.36	.11			3.03
Reading***	Schuylkill						.83									T.					.76			.03	.75			T	.11	.01			2.49
Renova‖‖	W. Br. Susq						.40	.30							.05						.15	.03				.02		.10	.02				1.07
Retreat	N. Br. Susq						.65														.30			.10	.84			.07	.12				2.08
Scranton***	N. Br. Susq						.29		T.	T.											.43	T.		T.	.60	T.		.18	.01	.09			1.60
Selingsgrove	Lower Susq						.75	.02								.01					.45	.10			.60			.05					1.98
Sellersville‡	Lower Del						.80														.47				1.13				.28	.11			2.79
Shade Gap‡	Middle Susq						.75								.08						.41				.17								1.41
Shawmont	Schuylkill						.65	.10														.23			.56	.02			.20	.10			1.86

Continued on page 57.

Daily Precipitation for October, 1938—Continued from page 56

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq						.35	.03							.26						.78	.01			.29				.04	T.			1.76
State College	W. Br. Susq					.04	.60	T	T.						.09						.29	T.			.14				T.	.02			1.18
Stroudsburg‖‖	Upper Del							.80													*	1.25			*	.85							2.90
Sunbury‖‖	Lower Susq						.04	.75		T.											.02	.47			.36	.33			.03		T.		2.10
Susquehanna‖‖	N. Br. Susq																				.16	.22			1.05	.65			.64	.01	.07		2.80
Towanda	N. Br. Susq					T.	.12		T.	T.											.53	.14	T.	T.	.19			.16	T.	.07			1.21
Weikert	Lower Susq						.95														.23				.24								1.42
Wellsboro	N. Br. Susq					.02	.26								.02						.20	T.			.04			.12	T.				0.66
Wernersville‖‖ [nr]	Schuylkill	.23						.95														.64			.62				.12			T.	2.56
West Chester	Lower Del						.87	.05													.11	.16			.86			.01	.35	.18			2.59
Westgrove‖‖	Lower Del						.12	.64						.02								.24			.26	.28			.05	.35	.07		2.03
Wilkes-Barre§	N. B. Susq						.39		T.	T.											.21	.30			.73			.03	.01	.04			1.71
Wilkes-Barre‖‖.¶	N. Br. Susq						.03	.43		.02											T	.55			.27	.49			T.	.04	T.		1.83
Williamsport‖‖	W. Br. Susq						.31	.50							.03						.09	.20			.04	.19			.05	.02	T.		1.43
Williamstown	Lower Susq						1.05	.33													.36	.23			.57				.09				2.63
York	Lower Susq						1.00	.10													.43	.18			.43				.13	.07			2.34
York Haven‖‖	Lower Susq						T.	.75														.62			.37	.25				.05			2.04
Zionsville..(near)	Schuylkill						.70															1.02			.95				.30	.06			3.03
Trenton, N. J***	Lower Del						.83								T.	T.			T	T.	.33			T.	.47			.01	.27	.36			2.27
Ohio Drainage																																	
Beaver Falls‖‖	Beaver						.01	.05							.26						.31	.17			.09	.05		.05	.02				1.01
Blairsville‖‖	Allegheny						.05	.09							.46						.61	.11			.07								1.39
Bradford	Allegheny					.11	.59		.02						.06					.01	.11	.23			.23			.40					1.76
Brookville‖‖	Allegheny						.31	.28		.02					.25						.41	.18			.02	.10		.40	.05				2.02
Buckstown‡	Allegheny						.46							.10	.08						.26	.01						.21					1.12
Butler	Ohio					T.	.32							.25						.33	.20				.25		.18	.03					1.56
Chambersville	Allegheny					.08	.22		.03							.40						.51	.12			.08			.07				1.50
Clairton‡	Monongahela					.28	.06							.49						.49	.10				.01			T.					1.43
Clarion‖‖	Allegheny						.28	.30		.03					.28						.40	.24			.22	.04		.37	.22				2.38
Claysville	Ohio					.01	T.							.22	.14						.39	.10			.10			T.					0.96
Confluence‖‖	Youghiogheny							.06							.40						.10	.40						T.	.15				1.11
Connellsville‖‖	Monongahela						.06	.90							.42						.33	.13			T.	.08		.01	.02				1.95
Corry	Allegheny						.34							.22						.13	*	.27				.52		.32					1.80
Coudersport	Allegheny					.05	.60								.10						.11	.23			.10			.28					1.47
Dahoga	Allegheny					.03	.56		.02						.32						.17	.22	T.		.14			.28					1.74
Derry	Conemaugh					T.	.30								.48						1.05				.15			T.	.06				2.04
Donora‖‖	Monongahela					T.	T.							.40						.35	.18				.01			.01					0.95
Dunlo‡	Allegheny						.71							.13							.24				.03			.12					1.23
Ebensburg	Conemaugh					T.	.02								.22						.22	.10			.04			.04					0.64
Franklin‖‖	Allegheny						.05	.31							.17						.05	.30			.16	.03		.16	.22				1.45
Greensboro‖‖	Monongahela						.01	T.							.30	T.					.24	.34			.02	.02		T.	.01				0.94
Greensburg	Youghiogheny					T.	.22							.33	.12						.71	.10			.07			.03					1.58
Greenville	Beaver					.02	.24							.34						.10	.12	.13			.23			.35					1.53
Grove City	Beaver					T.	.09							.21								.21	.13		.25			.20					1.09
Irwin	Monongahela					T	.12							.16	.37						.54	.11			.06			.11	T.				1.47
Johnstown	Conemaugh						.41							.09	.17						.21	.03			.02			.12					1.05
Kregar‖‖	Youghiogheny						.23	.70							.54					.15	*	.28		.02	*	.05			.17	T.			2.14
Lake Lynn‖‖	Monongahela														.40						.30	.40	T.		T.	.03		.01	.02				1.16
Linesville‖‖	Beaver						.07	.08	T.	.07					.21					.10	.22				.45			.55	T.			T.	1.85
Lock No 2‖‖	Ohio						.05	.02							.40	.02					.30	.15			.12	.04		.03	.03				1.16
Lock No. 4‖‖	Monongahela						T.								.47						.41	.10			T.	.01		T.	T.				0.99
Lock No. 5‖‖	Allegheny						.03	.22							.35						.53	.16			.04	.05		.04	.11				1.53
Lycippus	Conemaugh					.03	.30								.43						.63				.18			.02	T.				1.59
Marienville‡	Allegheny					.06	.42							.30						.03	.29	.01			.20		.10	.17					1.58
McKeesport‖‖	Monongahela						.07	T							.50	T.					.46				T.	T			T.				1.03
Meadville‖‖	Allegheny						.07	.20		.04					.36						.11	.25			.23	T.		.25	.11				1.62
Mercer‡	Ohio						.19							.35						.10	.22				.33		.10	.34					1.63
Midland	Ohio					.05	.14							.18	.07					.12	.40				.22			.02	.03				1.23
Mosgrove‖‖	Allegheny						T.	.59							.35						.56	.19			.05	.07		.13	.06				2.00
Mount Lebanon	Ohio					T.	.20							.44						.20	.28				.12			.02					1.26
Natrona‖‖	Allegheny							.12							.35						.41	.13			.13	.05		T.	.07				1.26
New Castle	Beaver	T.	.02	T.	.01		.17	.01	T.	T.				.17			T.	T.		.01	.11	.18	T.		.18	.01		.11	.01			.01	1.00
Newell‖‖	Monongahela						.13								.49						.40	.10		T.	.05				.03				1.20
Parkers Landing‖‖	Allegheny						.26	.26		.03					.32						.36	.22			.23	.03		.36					2.07
Pennline‖‖	Beaver						.17	.01		.04					.22						.08	.28			.21			.36	T.				1.37
Pittsburgh***	Ohio					T.	.11		T.					.49	T					.32	.15				.03			T.					1.10
Punxsutawney‖‖	Allegheny							.50							.37						.52	.10				.09		.10	.06				1.74
Ridgway‖‖	Allegheny							.20	.48		.06				T.	.43					.29	.20			.02	.12		.23	.08				2.11
Rochester‡	Ohio						.08							.39	.02					.28	.16				.18		.06	.03					1.20
Saltsburg‖‖	Conemaugh						.05	.09							.41						.51	.10			.01	T.			.01				1.18
Seward‖‖	Conemaugh						.04	.23							.47						.24	.16			.04	.05			.15				1.38
Sharon	Beaver						.33	T.							.40					.20				.15				.28					1.36
Sharpsville‖‖	Beaver						.01	.09							.36	T.					.03	.16			.16	T.		.24	.05				1.10
Smethport‖‖	Allegheny						.75	T.						.25							T.	.30			.10	.27	T.	.25	.10				2.02
Somerset	Youghiogheny						.21								.27						.29	.04			.04			.10	.04				0.99
Springdale‖‖	Allegheny						.02	.18							.40						.46	.15			.05	.05		T.	.13				1.44
Springs	Youghiogheny														.25						.39				.25			.22					1.11
Titusville‡	Allegheny					.09	.25							.09							.08	.04			.34			.43					1.32
Union City‡	Allegheny					.09	.34							.33						.14	.27				.44		.10	.51					2.22
Uniontown	Monongahela					.02	.03							.14	.40						.72	.03			.08			.11					1.53
Unity Reservoir	Youghiogheny					T.	.22							.38	.12						.70	.09			.09			.05					1.65
Vandergrift‡	Conemaugh					.01	.15							.33						.25	.27				.60			.20					1.81
Warren‖‖	Allegheny						.30	.15			.10	T.			.10						.09	.24	T.		.20	.10		.10	.08				1.46
Waynesburg	Monongahela													.28							.60												0.88
Westford‖‖	Beaver					.26		.20							.24						.12	.18			.22			.30	.06				1.58
West Newton‖‖	Youghiogheny						T.	.01							.53						.55	.12			T.	.03		.02	T.				1.26
Lake Drainage.																																	
Erie***	Lake Erie					.12	.14		T.					.26						.12	.34	.01			.54		.09	.10					1.72
Raymond‡	Genesee					.10	.60							.05						.08	.21	.07			.05		.02	.28					1.46

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement. ‡ Mdt. to mdt.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Bloserville, Newville; of Springdale, Cheswick, (P. O. Barking, Pa.); of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airways Station. ¶ River Station.

Daily Temperatures for October, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	16	16	17	18	19	20	21	22	23	24	26	26	27	28	29	30	31	Mean
Altoona	Maximum	62	63	61	64	73	61	68	68	62	67	82	81	71	74	71	80	84	84	85	70	67	66	62	67	58	75	60	47	65	62	61	67.4
	Minimum	41	30	32	33	49	47	27	29	46	37	63	62	45	46	42	46	49	47	49	46	40	36	39	45	37	36	41	39	40	32	27	40.6
Bedford	Maximum	63	62	63	64	73	67	57	70	65	68	79	81	73	71	79	78	83	82	86	79	57	66	62	69	57	72	66	49	63	61	59	68.2
	Minimum	43	36	30	34	34	47	27	28	44	32	41	47	42	62	38	40	39	38	41	60	40	36	35	42	40	30	44	42	45	35	25	38.6
Bethlehem	Maximum	63	66	63	71	76	73	57	67	66	70	81	79	78	74	80	84	91	90	76	74	59	68	65	63	58	71	68	60	62	65	65	70.4
	Minimum	47	38	42	36	40	44	38	36	49	42	44	52	48	57	65	50	63	54	54	59	43	43	44	56	42	38	44	48	64	46	37	46.2
Bloomsburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Brookville‡	Maximum	74	72	73	72	75	69	67	68	63	75	85	84	81	72	84	84	85	85	85	67	68	71	74	70	64	84	65	76	80	70	66	74.4
	Minimum	32	25	28	28	29	33	22	23	27	31	37	38	39	41	31	31	37	33	34	36	38	30	32	34	35	25	25	33	33	26	23	43.2
Butler	Maximum	70	70	68	70	67	64	58	63	70	72	86	86	86	72	79	86	86	83	82	78	58	70	70	56	63	72	69	60	70	71	66	71.6
	Minimum	36	32	29	32	32	48	25	25	32	32	41	47	43	61	45	41	41	37	41	41	38	33	42	41	36	31	42	38	38	30	26	36.9
Carlisle	Maximum	75	65	67	70	75	67	59	69	66	69	81	76	76	76	79	83	87	80	82	73	61	70	64	62	63	70	61	62	63	63	61	70.1
	Minimum	44	33	33	32	35	47	33	31	44	36	44	48	44	60	43	45	46	50	51	55	42	35	40	53	42	31	43	52	51	45	32	42.3
Chambersburg	Maximum	66	67	65	68	75	62	61	68	65	71	81	82	71	76	79	83	85	83	80	70	69	68	63	58	63	70	60	54	65	66	63	69.3
	Minimum	48	35	35	34	36	48	34	29	45	39	46	49	44	55	45	46	47	45	60	53	42	40	39	49	42	34	47	44	61	42	36	42.9
Chambersville	Maximum	64	63	65	68	73	58	59	66	60	69	82	84	75	71	78	83	84	83	84	74	62	70	66	60	68	71	64	56	66	61	69	68.9
	Minimum	34	26	31	34	32	41	23	23	37	29	40	47	47	49	37	40	40	40	38	47	37	37	45	40	34	35	39	38	36	32	29	33.5
Claysville	Maximum	66	64	68	64	65	62	59	69	67	72	83	84	78	69	78	81	81	84	80	74	60	70	69	69	65	72	70	57	66	67	63	70.0
	Minimum	39	30	33	33	35	49	25	26	35	32	42	50	50	49	39	43	44	40	49	47	36	41	62	41	36	40	43	37	36	30	25	38.9
Clearfield	Maximum	68	67	70	71	73	66	71	65	68	76	85	85	75	74	83	79	89	87	82	73	61	69	67	57	60	76	66	62	63	69	69	70.8
	Minimum	36	37	29	33	31	36	31	26	40	33	41	46	46	50	39	41	38	36	38	49	40	33	33	44	37	27	40	35	37	32	29	36.8
Coatesville	Maximum	63	60	61	63	70	58	55	64	64	66	76	78	71	69	72	79	88	76	74	72	58	67	69	60	61	68	62	56	62	61	57	66.5
	Minimum	43	35	39	36	37	43	38	33	47	38	43	60	43	54	49	47	52	48	55	54	41	36	38	45	37	33	41	45	61	45	40	43.1
Corry	Maximum	62	65	68	72	67	60	61	64	69	74	86	84	73	74	82	85	85	84	73	59	52	67	69	61	55	70	58	57	64	58	64	68.1
	Minimum	28	25	30	29	29	39	22	25	40	30	41	44	45	60	45	40	40	35	45	40	32	29	45	36	35	34	37	32	30	32	21	35.0
Coudersport	Maximum	58	64	63	67	62	49	60	58	57	71	84	81	74	73	80	82	85	80	77	72	49	64	63	68	53	71	62	45	64	57	60	65.9
	Minimum	33	22	23	43	26	33	19	18	43	29	37	41	40	50	51	33	35	50	50	46	36	40	36	40	34	22	40	30	38	30	30	35.4
Dahoga	Maximum	61	63	62	67	65	55	68	60	60	69	82	82	75	77	78	82	82	80	76	72	65	64	63	59	52	68	64	59	64	58	60	67.2
	Minimum	35	27	31	32	35	38	25	25	42	29	43	48	49	49	38	45	47	43	50	43	34	33	43	37	38	34	39	29	27	33	27	37.0
Donora*	Maximum	67	68	69	70	69	60	62	72	65	73	81	84	75	70	76	83	86	87	83	63	61	72	71	62	63	74	65	58	69	62	61	70.0
	Minimum	43	42	39	40	42	42	35	35	46	42	47	63	51	53	46	49	49	48	52	41	41	48	50	42	41	48	44	45	45	42	33	44.3
Ebensburg	Maximum	62	58	62	63	61	62	68	60	61	61	75	75	72	68	72	79	80	80	72	70	58	63	62	58	56	68	63	49	62	63	55	65.1
	Minimum	39	31	34	35	38	45	25	26	42	33	44	51	50	58	38	44	47	45	45	49	35	37	42	39	34	37	39	36	38	33	25	39.2
Emporium	Maximum	61	68	65	70	65	55	63	62	61	75	86	84	77	74	81	86	86	84	80	....	....	54	67	68	59	55	74	53	49	67	69	68.9[b]
	Minimum	37	30	30	32	34	44	24	26	39	35	44	48	47	53	40	37	43	37	37	....	....	36	35	42	41	28	28	36	33	34	28	36.5[b]
Ephrata	Maximum	66	69	66	69	74	61	59	69	62	70	79	81	71	76	80	85	87	81	80	70	59	69	69	62	60	70	60	62	63	64	61	69.5
	Minimum	42	37	38	34	36	46	36	31	44	38	41	49	46	54	49	49	48	48	57	52	43	36	42	51	40	34	43	46	53	44	35	43.3
Erie*	Maximum	61	61	64	68	67	53	55	65	55	68	76	82	71	68	76	78	76	75	72	57	53	67	69	60	65	71	52	49	55	51	50	63.9
	Minimum	47	42	46	46	50	38	37	43	46	46	58	62	59	54	56	60	68	53	57	44	45	45	54	42	48	50	44	43	44	37	35	48.0
Franklin‡	Maximum	63	67	68	71	61	55	64	67	61	73	85	82	71	72	80	85	83	82	77	54	59	66	68	49	58	71	49	61	68	63	64	67.6
	Minimum	36	33	34	34	35	36	28	28	30	34	35	44	45	46	39	39	44	40	41	44	37	38	38	44	40	33	35	37	33	34	28	36.8
Freeland	Maximum	57	60	62	62	67	55	54	61	68	64	79	78	68	68	72	81	82	74	74	66	50	62	58	56	52	62	54	51	59	55	51	63.3
	Minimum	40	38	39	36	43	41	31	33	44	40	63	60	51	51	52	54	59	55	50	48	37	43	42	44	36	41	42	38	45	38	33	43.8
George School	Maximum	67	65	66	69	73	64	60	67	65	71	79	79	72	75	73	82	90	76	75	80	66	67	66	63	62	69	67	58	67	65	62	69.7
	Minimum	44	38	41	37	39	48	39	34	44	39	42	49	49	59	57	47	51	54	53	67	43	39	42	57	41	34	40	46	45	47	38	44.9
Gettysburg	Maximum	67	64	67	69	76	67	60	70	65	69	81	79	74	73	78	82	88	82	79	74	60	69	62	60	61	70	62	53	61	63	62	69.3
	Minimum	48	39	38	35	33	50	36	52	47	38	45	53	48	54	46	47	48	48	58	55	41	38	40	54	38	35	48	46	49	45	36	44.9
Gordon	Maximum	61	59	62	63	69	61	55	64	56	66	77	80	74	72	75	81	83	77	77	72	56	66	62	61	66	62	58	53	61	58	53	65.5
	Minimum	38	28	30	28	31	45	29	24	38	33	36	44	43	50	44	38	42	41	54	62	42	31	42	50	39	29	39	44	48	39	27	38.6
Greensburg	Maximum	65	64	68	69	69	62	62	69	64	67	80	84	78	67	77	84	81	74	81	74	56	70	68	61	60	71	63	52	65	64	62	68.7
	Minimum	40	35	37	40	38	48	30	28	43	35	45	52	49	64	40	46	46	44	51	47	36	45	49	43	37	43	42	40	42	37	33	41.8
Greenville	Maximum	65	70	70	74	70	62	65	70	68	76	84	84	77	71	78	84	85	82	75	64	59	69	70	65	61	70	66	56	62	60	62	70.1
	Minimum	35	29	35	34	35	46	25	29	36	32	45	48	48	56	40	45	42	40	46	42	37	35	48	41	38	37	43	30	35	38	27	38.6
Grove City	Maximum	64	65	65	72	67	63	58	66	61	71	82	81	74	70	79	84	83	81	77	62	56	66	67	62	56	69	66	69	70	62	65	68.5
	Minimum	37	33	38	39	40	45	30	31	39	32	50	55	65	52	45	49	50	52	55	41	36	40	48	39	35	41	41	34	36	40	31	41.6
Harrisburg*	Maximum	63	62	63	64	73	57	57	65	62	69	79	79	70	73	77	82	84	77	77	66	58	66	64	62	60	67	58	56	61	59	66	66.6
	Minimum	47	43	41	40	44	42	40	37	51	46	48	54	51	57	51	50	53	53	60	49	45	41	47	48	45	40	47	46	51	46	40	46.9
Hawley	Maximum	59	60	60	64	67	61	56	65	55	63	77	81	74	72	75	81	83	76	80	69	57	62	61	59	55	66	60	56	65	60	56	65.6
	Minimum	34	28	27	26	27	43	29	21	36	40	34	43	43	47	44	36	41	40	42	52	34	33	31	53	39	26	39	43	46	37	24	36.7
Holtwood*	Maximum	63	64	64	64	70	56	57	64	61	68	75	75	71	73	74	77	81	77	75	70	59	68	66	62	62	70	60	57	64	63	57	66.7
	Minimum	49	45	45	42	44	47	43	41	46	43	48	52	51	55	54	54	55	55	61	54	46	43	46	50	42	41	47	48	55	48	41	48.1
Huntingdon	Maximum	65	64	64	66	74	55	59	68	64	72	83	83	73	75	78	83	86	86	86	70	61	68	67	60	60	73	60	51	61	60	61	68.9
	Minimum	39	31	33	33	33	40	30	30	44	32	41	50	44	49	43	41	47	38	42	51	40	35	37	48	42	27	48	43	43	33	28	39.2
Johnstown	Maximum	67	69	68	74	75	61	65	69	73	74	85	87	76	74	81	86	87	88	83	70	63	71	70	57	64	75	62	57	70	66	65	72.0
	Minimum	43	36	33	36	36	47	32	29	35	38	42	48	52	53	43	42	43	40	44	48	41	39	38	45	38	34	44	42	44	35	30	40.3
Kylertown*	Maximum	59	61	62	67	72	47	57	61	58	70	81	80	70	70	76	82	83	82	80	59	55	63	62	55	54	71	48	47	63	57	57	64.8
	Minimum	34	27	30	30	35	32	28	26	39	34	48	50	54	47	38	44	44	44	50	39	40	39	47	41	38	39	40	36	40	35	31	38.7
Lancaster	Maximum	66	66	65	67	73	63	60	66	65	68	78	78	73	72	65	78	86	78	80	74	60	69	66	64	61	69	63	57	66	66	60	68.5
	Minimum	39	33	33	31	32	46	34	29	42	35	38	45	41	49	49	47	44	43	54	49	41	33	36	53	36	30	38	44	53	42	20	40.3
Lawrenceville	Maximum	60	58	65	58	62	55	50	55	56	62	83	86	76	77	82	84	85	86	83	71	51	55	63	60	52	62	62	44	51	53	46	64.3
	Minimum	35	29	32	31	30	40	25	23	45	35	39	47	46	50	38	39	41	40	43	51	38	37	43	45	37	28	40	37	40	30	36	37.7
Lebanon‡	Maximum	65	65	65	67	73	52	58	68	63	68	80	81	70	74	79	85	89	79	80	66	59	68	66	61	60	70	60	58	65	63	59	68.3
	Minimum	43	34	34	33	37	47	36	30	41	37	42	49	48	53	50	45	45	48	57	56	42	36	43	48	39	33	43	46	47	45	34	42.6
Lewistown	Maximum	80	82	68	68	75	78	63	67	66	75	80	81	81	75	77	82	85	82	80	80	60	68	69	62	64	71	64	54	64	62	61	71.7
	Minimum	43	42	34	34	36	47	31	31	46	39	46	51	47	58	49	45	47	45	49	45	45	39	42	48	45	33	42	45	45	36	31	42.5
Lock Haven	Maximum	65	63	64	64	68	64	57	64	63	72	79	77	76	75	73	78	82	80	76	72	59	65	66	63	58	68	67	52	61	61	56	67.4
	Minimum	39	34	35	37	37	45	30	30	39	36	45	51	48	51	45	42	46	45	46	57	44	38	40	52	41	31	45	43	41	35	30	41.2
Marcus Hook*	Maximum	65	62	67	73	71	57	66	68	67	76	76	75	74	70	78	86	84	78	82	76	71	77	71	61	71	69	62	65	65	63	64	70.6
	Minimum	44	45	43	48	49	42	41	52	45	49	58	54	57	56	54	57	59	59	62	46	46	60	59	46	44	50	49	54	50	42	41	50.4
Meadville	Maximum	61	65	67	70	62	51	62	67	58	72	83	81	70	70	78	84	81	80	73	50	71	66	74	47	58	76	48	55	63	59	63	66.6
	Minimum	31	37	33	34	40	25	27	31	33	34	44	47	53	39	45	42	38	38	45	33	33	36	40	38	37	44	31	33	33	25	24	36.2
Midland	Maximum	65	61	66	67	63	59	55	67	61	66	73	78	69	63	66	76	75	76	81	64	60	68	70	65	59	70	64	56	67	59	56	66.0
	Minimum	42	37	38	39	40	49	31	35	41	38	46	51	48	56	41	46	46	44	45	45	37	39	50	44	35	37	44	37	39	36	32	41.5
Montrose	Maximum	55	58	62	63	65	53	54	61	54	61	78	79	71	71	79	80	80	77	72	65	54	60	61	57	52	63	56	52	57	53	49	63.0
	Minimum	41	32	34	36	38	41	28	28	44	41	41	54	51	51	49	53	56	50	50	48	35	37	42	45	36	34	41	37	41	35	28	41.2
Mount Pocono	Maximum	64	60	53	63	64	53	54	67	57	65	80	82	69	68	74	78	79	74	78	64	55	62	56	66	54	64	46	61	64	57	55	64.1
	Minimum	34	29	33	33	33	34	29	27	38	38	41	53	49	60	48	45	51	48	45	50	34	35	48	47	34	30	28	37	50	30	30	39.4
Muncy Valley	Maximum	62	60	51	64	66	61	63	62	58	68	74	79	77	75	80	76	81	79	75	65	57	68	66	63	58	61	54	50	56	59	57	65.6
	Minimum	34	29	31	28	31	44	28	25	36	37	41	38	49	52	50	48	44	43	51	52	41	33	39	40	32	28	36	41	33	39	39	38.5
New Bloomfield	Maximum	63	62	64	66	74	60	57	69	63	70	84	80	70	75	76	82	87	80	80	67	60	67	62	59	60	69	61	53	61	60	58	67.7
	Minimum	40	29	29	29	32	44	28	26	40	33	41	46	42	51	42	41	42	43	55	51	43	32	45	46	40	29	42	45	50	39	27	39.4
New Castle	Maximum	65	67	68	72	68	66	61	69	70	74	84	85	82	70	77	82	83	84	83	72	61	69	71	69	60	73	69	58	68	60	63	71.1
	Minimum	37	31	37	33	37	47	25	30	41	35	46	48	47	54	40	45	46	40	45	47	36	35	37	41	37	35	42	31	33	31	25	38.5
Palmerton*	Maximum	61	64	63	66	71	57	59	67	59	67	77	78	70	72	75	79	86	74	73	65	52	65	64	62	58	68	60	61	67	63	57	66.5
	Minimum	38	33	34	33	35	42	34	28	42	41	39	52	48	54	52	46	48	48	56	51	44	38	41	46	38	33	42	50	54	40	31	42.3
Philadelphia*	Maximum	66	63	63	68	72	61	59	68	64	69	75	75	72	73	72	80	89	76	76	80	60	67	67	63	61	69	64	58	65	65	61	68.4
	Minimum	50	46	47	46	48	47	44	42	50	46	52	56	51	58	57	57	59	57	58	54	47	47	52	48	45	46	49	49	55	49	44	49.7
Phoenixville	Maximum	65	62	63	65	73	68	58	66	67	66	78	80	81	74	71	79	81	79	77	77	67	69	69	68	63	70	67	60	64	64	61	69.4
	Minimum	40	34	33	31	33	46	40	29	41	35	38	40	42	52	51	46	46	46	58	53	43	35	38	59	39	56	39	45	54	47	33	42.6
Pittsburgh*	Maximum	63	62	64	67	66	58	57	68	61	70	82	83	73	68	76	81	81	83	79	60	57	68	67	57	59	71	51	55	67	58	59	66.8
	Minimum	43	38	40	44	39	38	31	30	45	38	50	56	55	53	43	52	54	51	55	39	37	45	51	39	37	42	44	41	41	39	35	43.4

Continued on page 59.

Daily Temperatures for October, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton	Maximum	63	62	63	64	71	68	56	65	64	65	77	77	76	70	74	82	85	82	75	74	64	64	64	64	56	67	65	58	67	61	57	67.7
	Minimum	38	34	33	30	32	46	34	28	40	35	37	48	43	55	49	44	46	45	55	53	42	33	39	55	39	30	40	44	52	45	31	41.1
Quakertown	Maximum	63	58	67	63	68	63	55	62	62	65	75	78	69	68	73	77	83	71	72	72	56	65	64	61	58	66	60	58	62	61	54	65.5
	Minimum	39	32	31	28	31	43	37	27	39	34	37	45	41	52	50	43	45	47	53	50	42	34	38	55	36	31	38	45	51	44	43	40.7
Reading*	Maximum	65	65	64	67	72	60	59	66	62	67	78	80	72	73	75	83	86	75	76	70	58	68	65	62	58	69	60	62	65	64	61	68.0
	Minimum	47	44	40	40	45	45	41	35	49	43	47	57	53	58	53	52	60	53	56	50	44	45	48	47	43	42	49	46	55	47	39	47.5
Retreat	Maximum	68	58	58	52	67	65	57	63	59	66	65	79	72	72	77	79	82	77	77	72	70	65	64	61	66	67	65	54	60	56	48	65.8
	Minimum	38	38	36	30	34	46	36	28	39	39	40	38	46	51	42	57	45	44	49	54	44	37	40	51	48	32	39	44	46	37	32	41.3
Ridgway‡	Maximum	68	60	64	65	69	69	50	59	62	49	71	84	82	75	71	80	83	84	81	80	56	55	67	66	52	55	69	47	55	65	58	66.2
	Minimum	34	27	26	29	31	33	24	23	24	34	38	41	41	43	35	36	38	35	35	36	38	32	34	47	37	27	28	31	32	28	25	33.0
Scranton*	Maximum	58	60	63	63	67	54	55	62	57	64	79	81	75	74	76	82	83	80	76	68	57	65	64	60	56	68	55	54	60	56	48	65.2
	Minimum	40	34	38	36	36	41	34	30	47	46	42	52	49	56	50	46	51	50	52	47	41	42	48	45	42	35	46	44	48	42	35	43.4
Selinsgrove	Maximum	64	63	63	66	69	56	59	62	64	71	76	79	72	75	77	81	82	79	75	71	58	63	66	62	61	62	61	53	60	58	58	66.6
	Minimum	39	31	34	34	54	45	30	28	35	33	41	50	46	53	44	43	44	44	54	53	43	35	38	49	41	33	44	45	48	26	29	40.8
Somerset	Maximum	56	54	55	59	65	60	49	58	58	59	75	74	70	64	76	77	80	84	77	66	45	64	62	55	50	68	61	45	61	57	49	62.4
	Minimum	33	26	23	27	25	45	23	18	33	25	33	40	33	45	31	32	32	29	34	45	34	28	34	39	33	26	41	35	33	22	16	31.4
Springs	Maximum	58	59	58	64	68	56	55	64	59	67	78	77	71	67	72	75	78	80	76	66	49	60	59	52	53	67	59	48	60	55	58	63.5
	Minimum	48	34	34	48	41	42	28	32	43	39	48	55	49	48	41	48	49	49	52	40	34	35	34	38	33	41	38	35	42	36	31	40.8
State College	Maximum	61	60	61	63	70	62	61	65	65	68	81	80	72	71	76	82	84	82	83	71	56	66	64	56	66	69	55	48	62	59	55	66.9
	Minimum	40	31	33	32	33	41	28	28	38	35	44	49	50	49	42	44	48	45	50	48	39	37	45	46	38	36	44	39	41	35	26	39.8
Stroudsburg‡	Maximum	62	66	65	72	77	66	59	69	66	70	72	75	76	71	73	79	89	89	79	68	72	65	64	60	64	69	64	66	64	66	61	69.6
	Minimum	38	36	35	32	32	41	36	28	38	42	47	48	51	47	49	56	47	51	46	58	46	37	39	48	56	31	38	47	38	37	29	42.1
Towanda	Maximum	60	61	64	66	66	55	57	64	55	67	79	83	78	75	78	83	86	81	76	70	60	65	67	62	59	68	59	47	58	51	45	66.0
	Minimum	37	33	33	33	32	37	29	26	45	42	38	48	45	49	43	39	43	44	47	51	40	36	43	45	39	30	44	41	40	37	32	39.4
Uniontown	Maximum	67	66	71	71	75	63	61	69	64	70	82	86	75	67	76	82	83	84	82	71	59	70	71	62	62	72	63	56	64	61	62	69.9
	Minimum	45	38	42	40	37	50	30	28	40	35	42	51	45	53	41	44	41	42	46	49	37	45	45	45	37	42	45	42	42	37	28	41.4
Vandergrift*	Maximum	69	66	69	72	72	59	56	69	65	72	83	85	78	72	81	87	85	85	85	64	62	72	71	60	64	75	54	60	71	62	64	70.6
	Minimum	39	33	34	37	37	37	28	30	39	37	43	48	46	50	43	44	43	42	43	42	39	39	42	40	36	35	44	42	38	33	29	39.1
Warren	Maximum	59	65	67	68	60	50	61	63	57	72	85	83	73	74	81	82	84	84	78	60	52	67	68	58	56	71	57	58	64	58	61	67.0
	Minimum	38	32	33	33	35	33	29	28	40	35	43	48	45	44	39	43	42	89	42	40	39	36	46	40	37	34	43	35	33	30	28	37.5
Waynesburg	Maximum	66	68	70	71	68	65	62	71	68	73	85	85	76	68	80	84	84	87	81	75	58	70	70	64	60	72	67	57	68	61	65	70.9
	Minimum	35	33	33	36	35	51	28	26	40	33	42	50	48	53	42	43	42	41	45	46	38	41	49	43	39	43	45	40	40	33	26	40.0
Wellsboro	Maximum	55	57	60	62	63	52	53	64	59	68	79	79	74	71	74	80	80	81	80	69	54	62	64	59	55	68	57	46	57	51	54	64.1
	Minimum	34	29	31	31	30	40	24	22	42	33	40	45	44	53	39	38	41	37	41	48	40	35	37	42	37	27	40	38	42	32	37	37.1
West Chester	Maximum	65	60	63	67	72	56	58	66	67	67	76	75	71	70	75	81	86	77	77	75	56	68	68	61	61	69	63	56	65	64	59	67.5
	Minimum	45	41	42	38	39	45	39	34	47	39	43	51	47	55	53	51	53	54	56	55	42	39	44	52	39	36	43	46	52	47	39	45.4
Wilkes-Barre	Maximum	62	62	63	65	68	60	56	64	57	66	78	82	75	75	77	83	85	81	76	65	57	67	65	61	59	68	59	53	60	56	49	66.3
	Minimum	41	33	34	34	34	44	32	29	43	43	40	46	45	54	47	43	45	44	47	52	41	39	44	49	41	32	40	44	45	41	35	41.3
Williamsport	Maximum	62	63	65	66	67	56	59	62	59	72	79	79	73	76	77	80	86	79	73	69	58	66	66	62	59	70	63	51	63	58	56	66.9
	Minimum	35	30	32	40	35	44	31	30	42	38	42	50	48	53	45	43	48	45	49	53	44	37	47	50	41	32	45	44	44	39	31	41.5
Williamstown	Maximum	62	64	65	63	71	70	63	68	65	69	78	79	74	74	74	83	84	83	80	76	55	64	65	58	56	67	66	52	57	65	66	68.3
	Minimum	35	35	39	39	44	45	32	31	45	38	49	53	51	52	52	52	61	58	54	49	39	42	43	43	39	42	42	40	45	39	36	44.0
York	Maximum	63	62	62	63	71	64	55	63	62	65	75	78	72	71	74	77	86	77	80	74	59	68	67	62	59	69	60	55	63	63	57	67.0
	Minimum	41	33	33	32	35	48	38	30	39	33	40	48	44	52	45	45	46	44	59	52	40	35	42	55	38	33	44	46	52	41	31	41.7

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	30.12	30.53	7	29.53	26	7.7	23	sw.	26	75	60	74	55
Harrisburg	30.11	30.46	3	29.62	20	6.4	21	ne.	28	81	53	62	80
Philadelphia	30.10	30.41	3	29.54	20	12.5	37	n.	28	79	56	63	74
Pittsburgh	30.16	30.48	7	29.63	26	8.8	34	nw.	26	82	46	52	76
Reading	30.12	30.47	3	29.63	20	9.7	34	ne.	28	78	55	59	61
Scranton	30.10	30.49	3	29.58	20	5.6	21	sw.	26	86	56	62	69

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	3.0	3.8	1	2.2	17	18
Easton	Delaware	2.7	4.2	1	1.8	18	22
Lehighton	Lehigh	3.2	3.6	7	2.8	19	9
Wilkes-Barre	Susquehanna	3.3	5.4	1	2.4	20	20
Williamsport	Susquehanna	0.6	0.7	11	0.5	20	20
Harrisburg	Susquehanna	3.5	4.2	1	3.3	18	18
Greensboro	Monongahela	10.4	10.6	1	10.2	9	80
West Newton	Youghiogheny	0.0	0.0	1	−0.1	11	20
Lock No. 4	Monongahela	10.8	11.1	1	10.7	9	30
Pittsburgh	Ohio	.....	16.8*	13	16.5*	23	25
Midland	Ohio	.....	15.9*	9	9.1*	26	30

* Pool stage.

7.05
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. NOVEMBER, 1938 No. 11.

GENERAL SUMMARY.

November temperatures, prior to Thanksgiving, were almost constantly above the normal, with rather wide departures on several dates. Up to the 23d, inclusive, the average daily excess was near six degrees. On Thanksgiving Day the temperature fell rapidly, with almost the intensity of a cold wave, and during the afternoon and night heavy snow, and some sleet, covered the entire State. The snowfall exceeded eight inches at practically all stations, and exceeded ten inches in nearly one-half of the State. This storm drifted over the State from the middle west, and was followed on the afternoon and night of the 26th by an intense coast storm that spread another heavy snow blanket over the Delaware Basin. The combined snows exceeded fifteen inches for the Delaware Basin, and averaged nearly eleven inches for the State, and constituted the heaviest November snowfall of record. There was no frost in the ground prior to the snows, and the soil was unseasonably warm. As a result the snow melted rapidly underneath, from contact with the ground, even though the air temperatures were about fifteen degrees below the normal. The moisture was taken up immediately by the comparatively dry top soil, and did not appear in the ponds or streams. At the end of the month, from a third to a half of the snow remained. Outdoor work made good progress prior to Thanksgiving Day. Remaining winter apples were gathered, and potato digging was generally finished during the first week. Corn husking progressed almost without hindrance. It was about two-thirds done at the beginning of the month, and was finished in most regions ahead of the snows. Plowing continued locally and intermittently all through the month. Frosts in October killed growing crops and tender vegetation, but did little damage to late feed and pastures, which held up in the greater part of the State until the time of the heavy snows. There were many garden flowers in bloom, in sheltered places, up to the time of the snows. Winter grains continued to grow despite a shortage of moisture in some regions, and the effect of the melting snows, with no frost in the ground, was to improve their condition considerably. While the soil was moist at the end of the month, from melting snows, there was a shortage of surface water supply in many places, the ponds and streams being below average levels.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 42.7°, which is 1.4° above the 51-year State normal. The highest monthly mean was 51.8°, at Philadelphia-Pt. Breeze, and the lowest was 34.6°, at Gouldsboro. The highest temperature for the month was 87° at Bloomsburg on the 7th, and the lowest was —13° at Somerset on the 26th. The greatest daily range in temperature was 57° at Somerset on the 2d.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 173 stations, was 3.10 inches, which is 0.23 inch above the 51-year normal. The greatest monthly amount was 5.62 inches at Freeland, while the least, 1.35 inches, was recorded at Bellefonte. The greatest amount recorded in any 24 consecutive hours was 2.12 inches at Philadelphia-Navy Yard on the 19th.

The average snowfall for the State was 10.9 inches, which is 8.2 inches above the 51-year normal. The greatest monthly snowfall was 21.2 inches at Shawmont, and the greatest amount for 24 hours was 18.0 inches at Gouldsboro on the 24-25th.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	42.2	79	4	3.37	2.1	11	9	7	14
1889	41.8	73	10	6.72	0.7	15	5	8	17
1890	41.8	78	10	1.49	0.5	8	9	10	11
1891	39.7	76	6	2.65	1.2	9	9	8	13
1892	39.0	80	10	4.34	8.6	12	6	8	16
1893	39.2	68	−4	2.93	2.4	8	8	11	11
1894	38.2	74	6	2.50	5.3	9	10	9	11
1895	42.9	78	6	2.48	0.5	10	10	8	11
1896	46.0	83	12	3.55	1.1	10	8	9	13
1897	41.6	76	2	5.28	2.6	14	6	8	16
1898	40.0	73	8	4.03	6.9	11	8	9	13
1899	41.5	72	7	2.66	1.2	7	10	8	12
1900	43.5	79	7	4.10	3.1	12	6	9	15
1901	36.0	76	9	2.56	3.1	8	7	8	15
1902	47.3	78	0	1.53	1.5	8	10	8	12
1903	36.9	78	2	2.18	1.4	7	11	8	11
1904	38.8	79	−4	1.14	3.5	6	10	9	11
1905	39.1	68	5	2.47	0.9	9	11	8	11
1906	41.5	80	9	1.48	4.0	8	12	6	12
1907	39.8	70	4	3.60	2.9	10	13	8	9
1908	41.2	75	−2	0.90	5.0	5	12	8	10
1909	46.4	80	15	1.40	1.9	7	12	8	10
1910	36.8	68	9	2.45	8.5	11	4	7	19
1911	37.8	77	7	2.84	3.7	10	7	7	16
1912	43.0	81	7	2.17	1.9	7	10	8	12
1913	43.9	79	10	3.05	4.5	11	10	5	15
1914	40.6	81	−2	1.76	1.5	6	12	9	9
1915	42.1	79	13	2.18	1.3	10	10	9	11
1916	41.3	79	4	2.27	1.6	9	13	6	11
1917	37.6	69	−5	0.63	1.4	5	14	7	9
1918	42.1	76	11	2.03	T.	7	12	6	12
1919	41.2	76	11	5.35	2.3	12	11	7	12
1920	40.3	75	5	3.54	4.5	11	7	7	16
1921	42.3	80	3	5.75	1.4	16	5	7	18
1922	42.9	73	12	1.21	1.8	9	10	7	13
1923	40.7	70	10	2.83	0.3	10	12	5	13
1924	40.7	78	−9	1.54	2.9	7	12	8	10
1925	39.5	71	4	3.56	2.2	10	11	7	12
1926	40.4	79	−1	4.49	0.9	10	9	7	14
1927	46.2	85	10	4.95	1.8	14	7	7	16
1928	43.4	81	4	2.32	2.3	12	7	8	15
1929	41.1	81	−10	3.39	1.9	12	8	8	14
1930	42.0	75	−15	1.48	2.3	9	10	7	13
1931	49.2	80	12	1.52	2.9	9	10	8	12
1932	39.4	75	−2	4.75	0.3	10	12	7	11
1933	38.1	83	−11	1.55	7.0	11	8	7	15
1934	44.9	80	6	3.61	1.8	12	9	7	14
1935	44.4	85	5	3.84	2.5	12	7	6	17
1936	38.6	78	2	2.40	3.4	8	9	8	13
1937	40.7	79	−3	2.56	2.0	11	11	7	12
1938	42.7	87	−13	3.10	10.9	10	13	7	10
Period	41.3	87	−15	2.87	2.7	10	9	8	13

Climatological Data for November, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	44.6	+2.0	74	7	3	26	37	2.98	+0.22	0.97	15.0	12	18	12	0	ne.	John A. Frick.
Altoona	Blair	1,615	51	43.5	+2.9	76^{c}	7	7	26†	39^{c}	2.62	+0.20	0.90	12.0	9	16	6	8	w.	John J. Martin.
Ardmore	Montgomery	350	18	44.4	0.0	75	7	11	26	34	3.40	+0.03	1.22	17.1	12	10	9	11	......	H. L. Balderston.
Arendtsville	Adams	700	16	44.4	+1.8	74	7	8	27	40	3.21	+0.83	1.18	11.2	8	17	4	9	sw.	Harold J. Miller.
Bedford	Bedford	1,060	6	43.4	......	78	7	−3	26	45	2.57	......	0.75	10.0	8	14	6	10	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	47.1	+2.6	76	2†	12	26	40	3.19	+0.32	1.06	16.3	13	15	3	12	w.	Lehigh University.
Bloomsburg	Columbia	500	12	42.4	......	87	7	−2	26	44	......	......	......	13.0	....	14	8	8	.....	Bloomsburg Water Co.
Carlisle	Cumberland	467	72	43.9	+2.4	75	7†	1	27	41	3.44	+1.12	0.95	10.0	10	17	4	9	sw.	Prof. C. E. Miller.
Chambersburg	Franklin	580	39	44.1	+1.8	76	7	4	27	40	2.42	+0.17	1.03	9.0	9	13	5	12	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	40.8	−0.4	78	6†	4	26	49	2.76	−0.21	0.87	7.5	8	9	9	12	w.	John Hess.
Coatesville	Chester	380	51	44.1	+1.2	75	7	5	26	34	2.48	−0.46	0.60	10.0	10	13	4	13	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	42.4	+0.8	72	7†	4	27	32	3.98	+1.55	1.05	10.0	11	17	3	10	nw.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	41.8	+2.4	77	7	4	26	45	2.80	−0.04	0.90	6.3	9	15	1	14	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	45.8	+2.5	75	7	4	26	39	2.87	+0.61	0.79	11.5	15	16	6	8	s.	Ira J. Keath
Freeland	Luzerne	1,970	45	41.2	+3.9	68	7	8	26	27	5.62	+2.49	1 53	12.5	10	11	3	16	w.	Andrew B. Evansha
George School	Bucks	190	32	46.4	+2.6	77	7	2	26	40	3.19	+0.32	0.97	15.5	12	19	2	9	w.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	46.0	+3.6	74	7	8	26†	38	3.95	+1.55	1.24	10.0	11	16	4	10	e.	Dr Henry Stewart
Gordon	Schuylkill	840	34	42.0	+2.1	70	6†	−5	26	42	4.43	+1.25	1.00	15.0	11	17	4	9	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	34.6	−1.2	62	6†	−4	26	30	5.02	+1.80	1.80	20.5	7	19	1	10	w.	Ronald H. Marshall.
Hanover	York	600	34	47.6	+2.6	75	8	8	26	36	4.17	+1.91	1.52	12.0	12	19	2	9	s.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	44.8	+2.0	75	7	13	27	32	3.83	+1.57	1.26	10 2	11	14	5	11	w.	U. S. Weather Bureau.
Hawley	Wayne	900	20	40.8	+1.5	74	7	−6	26	46	3.51	+0.88	1.35	15.6	11	19	4	7	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	46.9	+1.6	74	7	17	26	29	2.49	+0.30	1.10	12.5	12	14	9	7	nw.	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	51	42.8	+1.0	78	7	3	26†	47	2.65	+0.42	0.99	11.7	8	15	7	8	nw.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,694	7	40.4	......	74	7	8	25	40	2.49	......	0.96	8.0	12	10	7	13	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	43.5	+0.4	74	7	−7	26	46	2.88	+0.50	1.23	12.0	12	16	7	7	sw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	41	37.0	−2.2	70	7	−8	26	32	2.57	+0.30	1.05	8.0	8	14	9	7	......	C. P. Darling.
Lebanon	Lebanon	469	54	44.4	+1.8	74	7†	8	26	41	3.93	+1.42	1.25	10.0	11	16	4	10	sw.	Lebanon Valley Gas
Lewistown	Mifflin	500	....	46.4	......	78	7	6	27	43	3.14	......	1.07	11.0	9	12	0	18	ne.	Penna. Edison Co.
Lock Haven	Clinton	580	48	43.0	+0.9	76	7	5	26	32	2.92	+0.81	1.33	7.0	10	6	17	7	sw.	Joseph Beaver.
Marcus Hook	Delaware	50	12	50.6	+2.8	77	6	18	25	34	2.72	−0.13	1.25	13.0	12	18	5	7	sw.	Sun Oil Co.
Montrose	Susquehanna	1,620	33	39.4	+4.1	67	2†	3	26	34	3.26	+0.61	1.13	8.0	10	9	7	14	s.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	39.4	+3.2	72	2	−2	26	31	4.33	+1.12	0.90	15.0	12	11	3	16	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	26	40.3	+0.9	72	7	−1	26	40	2.86	+0.09	0.91	9.5	9	13	8	9	w.	H. O. Hacker.
Neshaminy Falls	Bucks	60	49	43.1	+0.3	76	7	−3	25†	44	3.44	+0.41	0.80	15.1	12	18	3	9	w	Philadelphia Sub. Water Co.
New Bloomfield	Perry	679	....	41.8	......	73	7	−5	27	43	3.28	......	1.18	14.0	10	13	8	9	w.	J. Earl Sneaffer
Palmerton	Carbon	398	20	42.5	+0.2	72	2†	2	26	43	4.75	+2.16	0.98	11.7	12	12	5	13	sw.	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	48.6	+2.9	76	7	18	26	29	3.11	+0.41	0.80	11.5	12	10	9	11	s.	U. S. Weather Bureau
Phila. Navy Yard	Philadelphia	20	22	47.7	+5.4	76	7	18	26	31	4.20	+1.37	2.12	11.5	12	12	11	7	w.	Navy Aerological Office
Phœnixville	Chester	100	28	45.7	+2.1	75	6†	−1	26	43	2.86	−0.13	1.00	14.0	11	13	12	5	sw.	Philadelphia Sub. Water Co
Port Clinton	Schuylkill	407	....	43.4	+1.6	71	8†	2	26	39	3.70	+0.89	0.86	13.0	11	22	0	8	n.	E. E. Rarick.
Quakertown	Bucks	496	53	43.1	+1.7	72	7	−6	26	39	2.94	−0.20	0.86	13.7	13	12	7	11	nw.	John E. Benner.
Reading	Berks	273	68	46.6	+4.1	74	7	12	26	36	3.14	+0.41	1.37	13.4	12	10	11	9	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	746	44	42.8	+2.3	74	7	6	26	34	3.24	+0.47	1.04	12.2	11	10	8	12	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	42.1	+0.3	74	7	−5	27	32	2.77	+0.30	1.25	12.0	10	10	10	10	w.	Dr. George E. Fisher.
Shawmont	Philadelphia	51	42	46.8	+1.6	75	7	9	26	31	2.87	+0.04	1.10	21.2	13	8	9	13	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	43.0	......	76	7	3	27	38	2.92	......	0.85	11.0	11	14	4	12	sw.	State Teachers College
State College	Center	1,217	54	42.8	+2.8	76	7	5	26	42	3.15	+0.84	1.18	10.0	10	14	11	5	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	45.0	+4.1	78	7	2	26	47	3.70	+0.51	1.60	18.0	9	16	2	12	w.	State Teachers College
Towanda	Bradford	754	44	41.3	+1.5	77	7	−7	26	40	2.73	+0.59	1.28	8.8	9	8	14	8	ne.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	39.4	+1.8	75	7	−4	26	41	2.82	+0.60	1.22	10.3	10	20	3	7	nw.	George W. Hill.
West Chester	Chester	455	89	45.8^{a}	+2.7	77^{a}	7	13^{a}	26	34^{b}	2.85	−0.23	1.26	14.0	10	16	5	9	sw.	Harlan Saylor.
Wilkes-Barre (Airport)	Luzerne	544	....	42.5	......	75	7	−1	26	35	3.17	+0.95	0.76	9.0	12	8	9	13	sw.	U. S. Airways Station.
Williamsport	Lycoming	521	52	42.0	+0.8	77	7	3	27	34	3.04	+0.67	0.95	8.0	12	15	2	13	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	44.8	+2.6	73	7	11	26	35	3.81	+0.98	0.96	10.0	10	12	6	12	se.	Susquehanna Collieries Co.
York	York	400	50	44.1	+0.9	74	7	−1	26	38	3.25	+1.02	0.84	11.0	12	17	7	6	s.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	......	......	......	......	4	25	....	3.18	+0.29	0.81	8.2	11	8	6	16	......	Frank S. Fawcett.
Butler	Butler	1,077	25	42.3	+4.1	81	6†	8	26	50	3.51	+0.71	1.20	8.0	9	18	4	8	w.	William C. Faust.
Chambersville	Indiana	1,047	37	43.0	+1.8	82	7	6	26	47	2.66	−0.11	0.85	8.0	11	15	5	10	w.	John E. Lewis.
Clairton	Allegheny	1,020	6	42.8	......	79	7	15	27†	39	3.26	......	0.65	7.0	7	13	7	10	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	43.8	+1.4	82	7	9	25†	44	2.99	+0.49	0.76	8.5	9	20	3	7	s	J. L. Melvin.
Corry	Erie	1,430	25	40.0	+1.3	77	7	10	25†	48	3.72	−0.09	1.24	8.8	10	21	1	8	n.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	38.2	......	77	7	−5	26	49	2.73	−0.35	0.99	9.5	13	16	4	10	nw.	Philip R. Shaw
Dahoga	Elk	2,020	6	39.4	......	76	7	4	25	41	2 30	......	0.82	7.5	9	9	5	16	sw.	U. S. Forest Service.
Derry	Westmoreland	1,172	41	45.1	+2.9	79	3†	8	26	49	2.91	+0.28	0.70	11.0	9	14	10	6	sw.	Ted R. Wineman.
Donora	Washington	762	12	46.5	+1.3	84	7	18	25	41	2.47	......	0.63	8.0	7	4	14	12	w.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	39.9	+1.1	71	7	9	26	35	2.84	−0.04	0.80	11.0	11	18	5	7	w.	D. H. Jones.
Franklin	Venango	957	64	40.4	+0.8	80	7	10	25	46	3.32	+0.39	0.65	9.5	10	5	3	22	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	44.6	+1.6	81	7	15	25†	42	2.67	+0.27	0.74	10.4	9	13	11	6	sw.	Westmoreland Water Co.
Greenville	Mercer	950	42	42.0	+2.1	77	7	13	26	41	3.68	+0.75	1.41	8.6	10	14	6	10	.....	Charles P. Clarke.
Grove City	Mercer	1,256	31	42.6	+2.1	79	7	13	25†	41	2.52	−0.51	0.47	8.5	10	13	11	6	sw.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	43.7	+1.5	82	7	12	26†	48	2.64	+0.35	0.76	8.1	10	19	5	6	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	45.2	+3.1	83	7	10	26	48	2.40	−0.48	0.69	10.7	9	18	3	9	s.	Robert Tross.
Lycippus	Westmoreland	1,420	46	43.0	+0.5	75	3	14	25†	40	3.51	+0.84	1.00	14.0	10	13	3	14	w.	Westmoreland Water Co.
Meadville	Crawford	1,080	44	40.2	+1.1	76	7	5	25	41	2.63	−0.91	0.55	11.2	13	12	0	18	s.	Paul F. Cov
Midland	Beaver	691	1	43.6	......	77	7	14	26	38	3.24	......	0.82	5.0	11	10	9	11	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	44.2	+3.9	81	7	12	26	51	3.27	+0.92	0 58	7.4	14	14	8	8	s.	New Castle Water Co.
Newell	Fayette	800	18	43.6	−0.6	81	7	14	25†	45	2.42	+0 25	0.58	10.0	9	4	15	11	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	44.0	+0.8	78	7	15	28	37	2.64	+0.35	0.72	8.3	10	10	11	9	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	38.6	+0.3	79	8	2	25†	49	2.56	−0.14	0.47	4.6	11	12	7	11	s.	West Penn. Power Co.
Sharon	Mercer	940	25	40.2	−1.2	78	7	10	25	51	3.23	+1.00	1.00	5.0	9	16	6	8	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	71	37.4	−1.3	78	7	−13	26	57	2.44	−0.74	0.81	10.3	8	5	11	14	sw.	D. L. Grove.
Springs	Somerset	2,680	21	41.2	+2.4	75	7	6	26	37	3.07	+0 25	1.04	12.0	10	11	12	7	w.	J. D. Beachy.
Uniontown	Fayette	1,100	50	46.0	+2.2	83	7	13	26	45	3.09	+0.16	0.90	13.0	9	19	5	6	sw.	Wm. W. Marsteller.
Unity Reservoir	Westmoreland	1,240	29	42.2	......	81	7	6	26	44	2.59	+0.05	0.66	9.7	11	0	18	12	nw.	Westmoreland Water Co.
Vandergrift	Westmoreland	825	24	44.0	+1.2	85	7	11	25†	51	1.80	−0.74	0.47	7.0	5	15	7	8	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	41.2	+1.9	78	7	8	25	45	3.19	−0.17	0.73	6.2	15	12	2	16	w.	Harold L. Johnson
Waynesburg	Greene	1,035	7	44.8	......	81	7	12	26	48	2.61	......	0.86	8.0	5	8	12	10	sw.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	45.2	+4.0	77	7	21	28	36	3.89	+0.59	1.22	8.7	11	12	4	14	sw.	U. S. Weather Bureau.
For the State¶	......	......	51	42.7	+1.4	87	7	−13	26	57	3.10	+0.23	2.12	10.9	10	13	7	10	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete. ¶ From all available records.

Reference letters, ^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford: of Sharon, Farrell: of Shawmont, Manayunk: of Dahoga, Kane, RFD; of Springs, Grantsville, Md.

W. B. O. Philadelphia-1-12-39-1050.

Daily Precipitation for November, 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic Drainage																																	
Allentown‖	Lehigh					.06	.09	.13		.19						.07		.07		.02	.58				.30	.97		.50					2.98
Altoona	Juniata					.21			.15	.03				.19					.03	.81				T.	.90	.20		.10					2.62
Ansonia‖	W. Br. Susq						.27			.09					.07		T.		.31	.40	.68			T.	.11	.30			T				2.23
Ardmore‡	Lower Del				.12	.07	.15		.18					.15				.07	T.	.57	.02		T.	.03	.82	.12	.80						3.40
Arendtsville‖	Lower Susq					1.18	.17		.20					.12			.08			.53					.10	.83							3.21
Baker's Summit	Juniata					.40			.10					.03						.78				.02	.70	.17							2.20
Bald Eagle ‡	Middle Susq					.38			.14					.24					.14	.77					.30								1.97
Bedford	Juniata					.58			T.	.12				T.				.06	.01	.75				.05	.68	.32		T.	T.				2.57
Bellefonte	W. Br. Susq					.22			.17	.02				.38		T.		T	.04	.13				.03	.24	.12		T.	T.				1.35
Berwindale‡	W. Br. Susq					.40			.13					.21					.23	.71				.04	.54			.06					2.32
Bethlehem	Lehigh					.15	.23		.02	.22					.05			.08	.02	.29	.22		T.	.12	.06	1.06		.67					3.19
Big Knob‖	Middle Susq					.04	.44	.02		.23					.13			.07	T.	.14	.97				.06	1.17							3.27
Bloomsburg	Susquehanna													.02				.01		1.03				T.	.70	.60							§
Bloserville	Lower Susq					.70	.05	.05	.06					.08				.16		1.05					*	.65							2.80
Buffalo Mills‖	Potomac						.38			.13					.07			.04		.20	.56					1.00							2.38
Carlisle	Lower Susq				T.	.80	.54	T.	T.	.14				.13	.04		T.	.04	T.	.77	.03			T.	.60	.35		T.	T.				3.44
Carter Camp‡	W. Br. Susq					.50			.26					.15					.57	.80				.05	.46	.03							2.82
Center Hall	Susquehanna					.30			T.					.46						.72				.03	.93								2.44
Chambersburg‖	Potomac					T	.42	.01		.19					.07			.06		.10	.54				.03	1.00							2.42
Clearfield	W. Br. Susq					.42			.14	T.				.28		T.			.87	.30				T	.42	.28		.05					2.76
Coatesville	Lower Del					.18	.02							.25				.02		.42				.22	.47	.60	.10	.20					2.48
Colebrook	Lower Susq					.92	.38		.35	.13				.23	.01			16	T.	.73				.02	*	1.05		T.					3.98
Conshohocken	Schuylkill					.13	.16			.26				.22				.04	T.	.44	.27		T.	.05	.09	.93	.04	.99					3.62
Doylestown	Lower Del					.07	.02			.14					.04			.13		.35	.20		T	.15	.11	.82		1.03					3.06
Driftwood‡	W. Br. Susq					.23			.19					.25				.04	.48	.69				.05	.45								2.38
Du Bois	W. Br. Susq					.35		.01	.13	.10			.23		.01	T.			.29	.80	.04			.05	.13	.08		.04	.02				2.28
Emporium	W. Br. Susq					.09	.14		.27					.17					.55	.90				.05	.42	.21							2.80
English Center‡	W. Br. Susq					.21		.04	.03					.24					.28	1.00					.39	.02							2.21
Ephrata	Lower Susq					.11	.24	.03	.01	.24				.04	.09			.10	.01	.60	.05			.13	.40	.79		.03					2.87
Forest City‖	N. Br. Susq					T.	.56	.05		.30					.41	T.	T.	T.		.55	.40					.22	T.	T.					2.49
Fredericksville‡‖	Schuylkill					.10	.13	.24		.33					.11			.07	T.	.01	.51		.01		.13	.82		.40					2.86
Freeland‖	Lehigh					.26	1.53	.07		.37					.31			.15		.33	1.10				.25	1.25			T.				5.62
Galeton	N. Br. Susq				T.	.27	T.	.02	.22	.05				.30	T.	.02			.34	1.20	.03			.17	.42	.09	T.	T	.01				3.14
George School	Lower Del					.18	.06		T.	.18								.09	.01	.36	.34		.01	.07	.09	.97		.83					3.19
Gettysburg	Potomac				T	1.12	.30	T.	.04	.26				T.	.08			.12	.02	.75	.02				.45	.79							3.95
Girardville‖‡	Lower Susq				.21	1.23	.04		.36					.12			.12	T.	.17	1.12				.21	1.33			T.	T.				4.91
Gordon	Lower Susq					.87	.33	T.		.39				.06				.15	.02	1.00	.14			.07	.60	.80							4.43
Gouldsboro‖	Lehigh					.32	1.17			.59											.89				.05	1.80		.20					5.02
Graterford	Schuylkill						.42			.28				.26					.11	.29				.12	.34	1.16		.88					3.86
Hanover	Lower Susq					.75	.58	.03	.07	.17				T.	.23			.08		.35	.38			.01	.24	1.28		T.					4.17
Harrisburg***	Lower Susq				T.	1.10	.21		.26					.09			.01	.07	.01	.79				.02	1.12	.15		T.					3.83
Hawley‖	Upper Del					.07	.45	.07		.38					.11		T.	.03		.05	.73				.08	1.35		.19					3.51
Hollisterville‖	Upper Del					.04	.91	.15	T.	.43					.19	T.		.02	T	.17	.89		T.		.15	1.49		.13					4.57
Holtwood‖	Lower Susq					.06	.07	.04		.22					.26			.06	.01	.01	.52				.10	1.10		.04	T.				2.49
Huntingdon	Juniata					.41			.14					.09				T.	.09	.99				.03	.88	.02		T.					2.65
Houtzdale‡	Lower Susq					.79	.13		.04					.32					.04	.68					.63								2.63
Hyndman‖	Potomac						.39			.10					.06			.08		.18	.66			.08		.85							2.40
Kylertown	W. Br. Susq					.34		.01	.16	T.				.17		.01	T.	T.	.15	.96				.06	.42	.08		.04	.09				2.49
Lakeville‖	Upper Del					.05	.81	.08		.35					.34			.03	T.	.08	.65				.13	1.40	T.	.19					4.11
Lancaster	Lower Susq					.13	.09	.02	T.	.20					.11			.05	.02	.54	.23			.06	.20	1.23	T.						2.88
Lansford‖	Lehigh					.20	*	1.25		.24					.08			T.		.30	1.00				.03	.56		.05					3.71
Lawrenceville	N. Br. Susq					.25			.12					.25	T.	T			.25	1.05				.10	.25	.30		T.					2.57
Lebanon‖	Lower Susq				.02	1.25	.07		.48					.10			.16		.01	.90				.14	*	.80							3.93
Lehighton‖	Lehigh					.20	1.29	.20		.30					.09			.13		.07	.90				.20	.83		.30					4.51
Lewistown	Middle Susq				.01	.59	.64		.02	.01				.05						1.07	T.				.58	.17		T.					3.14
Lock Haven	W. Br. Susq					.26			.02	.08				.15				T.	.02	1.33	.05			.01	.30	.70		T.	T.				2.92
Marcus Hook	Lower Del				.16		.05		T.	.08				.06				.07		*	.79		T.	.08	*	1.25	*	.18					2.72
Matamoras‖	Upper Del					.09	.22	.16		.25					.16			.19		.09	.68					1.30		.15					3.29
Mauch Chunk	Lehigh					1.13	.63	.13	T.					.05				.13	.04	.53	.48			.08	.25	1.20		.69					5.34
Millersburg‡	Lower Susq					.92	.03		.30					.11			.03	.06	.06	1.04					.44								2.99
Millville‡	N. Br. Susq					.41	.06		.20					.23					.14	.90					.47	.01							2.42
Montrose	N. Br. Susq					.32	.23	.03		.35				.07		T.		.10		1.13				.09	.45	.49							3.26
Morris Run	N. Br. Susq					.20			.18					.10		T.	T.		.18	1.32				.10	.26	.28							2.62
Mount Pocono	Upper Del					.90	.90	.25	.10					.08			.20		.10	.25	T.			.10	.60	.60	.25	T.					4.33
Mt. Union‡	Middle Susq					.32	*		.20					.14					1.25						1.15								3.06
Muncy Valley	W. Br. Susq					.34	.28	T.	.23					.11				.04	T.	.91	.27			T.	.30	.38							2.86
Neshaminy Falls‡	Lower Del				.12	.09	.22		.20					.07				.08		T.	.80		T.	.06	.41	.70	.23	.46					3.44
New Bloomfield	Juniata				.01	.38	.11		.18	.04				.11				T.	.07	1.18					.70	.50		T.					3.28
New Park	Lower Del					.20	*	.26		.20					.12					*	.76				*	.54							2.08
Newport‖	Juniata					.02	.52	T.		.20					.13			.06		.20	1.03				T.	1.05							3.21
New Tripoli	Schuylkill					.77	.65		.03	.22				.05	T			.13	.03	.79	.06			.11	.66	.53		.32					4.35
Orwigsburg	Schuylkill						1.30		.26					.08	.09				T.	1.02	T.				1.27	.05							4.07
Palmerton‡	Lehigh				T.	.85	.65	T.	.30					.02				.17	.05	.84				.14	.98	.25	.16	.34					4.75
Paupack‖	Upper Del						.62			.45								.22		.90						1.25		.20					3.64
Philadelphia***	Lower Del				.06	.11	.14		.20	T.				.26				.06	T.	.67	T.		T.	.05	.70	.10	.22	.54					3.11
Phila. Navy Yard‡	Lower Del				.09	.01	.10		.32					.24				.06	T.	2.12			T.	.16	.35	.25	.20	.30					4.20
Phila.-P'nt Breeze‡	Lower Del				.03	.14	.18		.14					.23				.05	T.	.94			T.	.02	*	.63	.77	T.					3.13
Phoenixville	Schuylkill					.11			T.	.28					.15			.03	.01	.21	.33			.14	.10	1.00		.50					2.86
Pine Grove	Lower Susq					.80	.30		.40					.11			.02	.19		1.08				.05	1.11	.12	T.						4.18
Pleasant Mt.	Upper Del						.85	.04		.37				.27			.12				1.09				*	.94							3.68
Port Clinton	Schuylkill					.40	.60	.09		.40					.07			.11		.75	.25			.08		.86		.09					3.70
Pottstown‖‡	Schuylkill					.05	.12		.25					.20			T.	.10	T.	.65	T.		T.	.15	1.05	.40	.10	.12					3.19
Pottsville‖	Schuylkill				.13	1.13	.28		.46					.11			.18		.11	1.01				.07	1.10								4.58
Quakertown	Lower Del					.09	.02		.12	.16								.09	.02	.30	.29		.02	.11	.28	.86		.58					2.94
Reading***	Schuylkill					.04	.15		.27					.18			T.	.09	.01	.63			T.	.15	1.08	.33	.13	.08					3.14
Renovo‖	W. Br. Susq						.46			.10					.21				.12	.32	.73				.15	.43							2.52
Retreat	N. Br. Susq					.23	.70		.51					.28				.08	.30	.64				.14	1.00	.14							4.02
Scranton***	N. Br. Susq					.45	.26	T.	.42	T				.26	T.	T.		.01	.09	.65				.05	.90	.14	.01	T.	T.				3.24
Selingsgrove	Lower Susq	.01				.35	.25			.20				.10				.05		1.25	.05				.24	.27							2.77
Sellersville‡	Lower Del					.05	.06		.20					.14				.10		.62				.10	.57	.10	.10	.13					2.17
Shade Gap‡	Middle Susq					.56			.23					.13											.43								§
Shawmont	Schuylkill					.12	.08			.08					.08			.05	.01	.16	.22		.01	.01	.05	1.10	T.	.90					2.87

Continued on page 63.

Daily Precipitation for November, 1938—Continued from page 62

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic Drainage (continued)																																	
Shippensburg	Lower Susq					.38	.12	.01	T.	.12				.06	.11			.06		.78	.08				.35	.85		T.	T.				2.92
State College	W. Br. Susq					.41	T.	T.	.07	.03				.43		T.		T.	.02	1.18				.02	.75	.20		.04					3.15
Stroudsburg‖	Upper Del					.10	.65			.30				.10				.25			.30				*	1.60		.40					3.70
Sunbury‖	Lower Susq					T.	.40	.05		.24					.12			.08		.24	1.08				.05	1.22							3.48
Susquehanna‖	N. Br. Susq						.72	T.		.86					.08		T.	.05		.50	.68				.03	.76			.01				3.69
Towanda	N. Br. Susq					.24	T.	T.	.07	.17				.04	T.	T.	T.	T.	.10	1.28	T.			.10	.50	.23		T.	T.				2.73
Weikert	Lower Susq					.25			.20											1.55					.75								2.75
Wellsboro	N. Br. Susq					.33		.02	.13	.02				.04	T.	T.		T.	.41	1.22				.06	.39	.20		T.					2.82
Wernersville‖ [nr]	Schuylkill					.06	.25	.20		.06					.17			.30			.94			.25	1.20			.08					3.51
West Chester	Lower Del					.10			.04	.25					.19			.05	T.	.26	.09				.25	1.26		.36					2.85
Westgrove‖	Lower Del					.11	.06			.23					.20				.05	.02	.46				.05	1.31		.16					2.65
Wilkes-Barre§	N. Br. Susq					.55	.24	.01	.08	.34				.19		T.	T.	.02		.76	.03			.03	.44	.48		T.	T.				3.17
Wilkes-Barre‖¶	N. Br. Susq					.06	.89	.13		.18					.05			.10		.14	.63		T.		.02	1.10		T.	T.	T.			3.30
Williamsport‖	W. Br. Susq				.02	.02	.40			.23					.20			.02	.01	.33	.84		.01		.01	.95							3.04
Williamstown	Lower Susq					.96	.24	T.	T.	.40								.28	.02	.40	.60			.05	.27	.59		T.	T.				3.81
York	Lower Susq					.40	.27	.05	.17	.16					.18			.09		.51	.12			.03	.43	.84							3.25
York Haven‖	Lower Susq						1.04	.09		.08					.13			.12		T.	.68				.04	1.85							4.03
Ziousville (near)	Schuylkill					.23	.06	.01	T.	.30				T.				.21	.05	.50	.32			.20	.45	1.26		.69					4.28
Trenton, N. J***	Lower Del				.01	.01	.25		.17	T.				.07				.11	T.	1.01	T.		T.	.04	.27	.66	.16	.34					3.10
Ohio Drainage																																	
Acmetonia‖	Allegheny					.31	.20		T.	.22				.03	.17				.18	.57	.32			T.	T.	.52			.02				2.54
Beaver Falls‖	Beaver					.41	.02			.41				T.	.20			T.	.48	.47	.13				.08	.42		.03	.01				2.66
Blairsville‖	Allegheny					.43	.04			.08					.86			T.	.03	.23	.49				.13	.27	T.	T.	.09	.02			2.67
Bradford	Allegheny					.26		.08	.13	T.				.47	.12	.09			.48	.95				.26	.19	T.		T.	.16				3.19
Brookville‖	Allegheny					.32	.15			.25					.18		T.		.81	.42	.38				.09	.50	T.		.06	.02			3.18
Buckstown‡	Allegheny					.36							.17	.12					.12	.51				.11	.48	.02							1.89
Butler	Ohio					.04			.40					.15					1.20	.92				.10	.55	.05		.10					3.51
Chambersville	Allegheny					.44			.18	.06				.37					.28	.85				.06	.25	.10		.05	.02				2.66
Clairton‡	Monongahela					.53			.15					.38					.40	.57			T.	.58	.65			T.					3.26
Clarion‖	Allegheny					.23	.14		.01	.31					.24				.38	.67	.34				.18	.50	.21	.01	.06	.02			3.30
Claysville	Ohio					.67			.24					.26			T.	T.	.30	.76				.05	.56	.11		.04					2.99
Confluence‖	Youghiogheny					.11	.42			.10					.57			T.	.03	.14	.70				T	1.18	T.		T.				3.25
Connellsville‖	Monongahela				*	.47	T.			.09					.20			T.	T.	.33	.39				.07	.53			.03				2.11
Corry	Allegheny					.37			.48					.68		.07			*	1 24				.35	.36	.07		.10	T.				3.72
Coudersport	Allegheny					.19			.30	.08				.28	T.	.05			.40	.99	.01			.11	.30	.02		.03	.02				2.73
Dahoga	Allegheny					.30		.02	.19					.42	T.	T.			T.	.82	.03			T.	.36	.07		.09	T.				2.30
Derry	Conemaugh					.47		T.	.23					.45					.35	.70				.06	.40	.20		.05	T.				2.91
Donora‖	Monongahela					.48			.26					.19			T.		.29	.63				.01	.61			T.	T.				2.47
Dunlo‡	Allegheny					.39			.07	.03				.17					.14	.67				.14	.46								2.07
Ebensburg	Conemaugh					.38			.12	.07				.31					.02	.78				.06	.59	.20		.19	.12				2.84
Franklin‖	Allegheny					.28				.50				T.	.48		T.	T.	.65	.60	.13			T.	.12	.42	.12	T.	.02	T.			3.32
Greensboro‖	Monongahela					.30	.23			.25					.18				T.	.38	.65				.06	1.06	T.		.08	T.			3.19
Greensburg	Youghiogheny					.39			.21					.31			T.		.22	.61	T.			.03	.74	.12		.04					2.67
Greenville	Beaver					.40			.56					.50		T.			.61	.80				.26	.26	.15	T.	.13	.01				3.68
Grove City	Beaver								.39	.10			*	.37				.02	.47	.56			T.		.33	.18		T.	T.	.10			2.52
Irwin	Monongahela					.40			.21	T.				.14					.23	.76			.10	.01	.55	.23		.01	T.				2.64
Johnstown	Conemaugh					.42			.19					.18					.09	.58				.11	.69	.07		.07					2.40
Kregar‖	Youghiogheny				.23	.15			.18					.19				T.	.22	.55				.09	.88	T.		.02					2.51
Lake Lynn‖	Monongahela					.30	.25			.20					.25				.03	.40	.62				T.	.72			.10				2.87
Linesville‖	Beaver					.30				.39				.09	.63		.04		.34	.79	.10	T.		.01	.16	.32		.22	T.	T.			3.39
Lock No 2‖	Ohio					.57	T.			.25				T.	.30				.31	.62	.18				.06	.45							2.74
Lock No. 4‖	Monongahela					.32	.19			.29					.21			T.	.08	.35	.54				.03	.62			.02				2.65
Lock No. 5‖	Allegheny					.20	.18		T.	.28					.39				.32	.52	.29				.02	.51	.01	T.	.02				2.74
Lycippus	Conemaugh					.65			.43					.35				.03	.04	1.00	T.			.02	.50	.35		.14					3.51
Marienville‡	Allegheny					.40		.03	.17	.04				.31					.74	.50				.10	.37								2.66
McKeesport‖	Monongahela					.56	.02	T.		.19	T.				.28	T.			.21	.64	.18				T.	.76							2.84
Meadville‖	Allegheny					.32	03	T.		.26				T.	.45		.02	T.	.31	.55	.12			T.	.11	.28	.08	.04	.06	T.			2.63
Mercer‡	Ohio					.51			.45					.59					1.41	.20				.10	.18								3.44
Midland	Ohio					.47			.35					.26				T.	.80	.82	.01			.04	.40	.05		.03	.01				3.24
Mosgrove‖	Allegheny					.16	.23		.03	.38				T.	.24				.34	.47	.14				.11	.32	.03	.03	.05				2.53
Mount Lebanon	Ohio					.56			.36					.20			T.		.55	.45				.07	.52								2.71
Natrona‖	Allegheny					.23	.18			.19					.20				.18	.54	.32				.07	.48	T.	T.	.02				2.41
New Castle	Beaver	.03	T.	T.		.45			.50		.01				.20			.01	.58	.81	.02		.02	.12	.37	.10		.05	T.	T.			3.27
Newell‖	Monongahela					.50			.05	.25					.05					.58	.14	.05			.32	.48							2.42
Parkers Landing‖	Allegheny					.36	T.	T.	T.	.32				T.	.24			T.	.45	.68	.27				.06	.50	T.	T.	T.	T.			2.88
Penline‖	Beaver					.33				.43				.11	.30		T.		.44	.75	.05			T.	.08	.22		.23	T.	T.			2.94
Pittsburgh***	Ohio					.53		T.	.21					.26			T.		.54	.45				.03	.48	.11	T.	.02	.01				2.64
Punxsutawney‖	Allegheny					.23	.17			.18					.65				.26	.39	.45				.20	.41	T.	T.	.05	T.			2.99
Ridgway‖	Allegheny					.20	.18			.32					.29				.24	.34	.47		T.		.15	.28		.03	.06	T.			2.56
Rochester‡	Ohio					.47			.36			.04		.13					1.05	.48				.08	.28			.04					2.93
Saltsburg‖	Conemaugh					.23	.09			.14					.45				.16	.30	.51				.03	.73	T.		.02				2.66
Seward‖	Conemaugh					.19	.27			.20					.48				.15	.12	.54				.23	.60			.10				2.88
Sharon‖	Beaver					.47			.03	.22				.26	.02				1.00	.75				T.	.12	.36			T.				3.23
Sharpsville‖	Beaver					.42	.02			.50				.10	.38			T.	.98	.70	.09			T.	.22	.50		.05	T.				3.96
Smethport‖	Allegheny									.20					.15	T.	.10		.25	.10	.48			T.	.15	.48			.03	T.			1.94
Somerset	Youghiogheny					.45			.18					.18				T.	T.	.81				.09	.54	.16		.03					2.44
Springs	Youghiogheny					.48	.03		.09					.37	T.			.09	.08	.79				.04	1.04	.06		T.	T.				3.07
Titusville‡	Allegheny					.31			.33	.13				.52	.05				1.06	.40				.17	.15	.08			.14				3.34
Union City‡	Allegheny					.38			.40	.03				.66					.80	.32				.25	.18	.22		.09					3.33
Uniontown	Monongahela					.53			.19					.29					.09	.90	T.			.05	.78	.17		.09					3.09
Unity Reservoir	Youghiogheny					.42			.27	.01				.34				.01	.25	.66	T.			.02	.45	.14		.02					2.59
Vandergrift‡	Conemaugh					.35			.18										.38	.47					.42			T.					1.80
Warren‖	Allegheny					.24	.05	.05	T.	.17				T.	.55	T.	.03		.47	.73	.30			.05	.22	.23		.02	.05	.03			3.19
Waynesburg	Monongahela					.67			.26					.22						.86					.60			T.					2.61
Westford‖	Beaver					.45			.40					.55		.04		.36	1.00	.14				.18	.50		.48						4.10
West Newton‖	Youghiogheny					.24	.23			.48					.29			T.	.06	.32	.45				.03	.75			.04				2.89
Lake Drainage.																																	
Erie***	Lake Erie					.15		T.	.47					1.05	T.	.04	T.		1.02	.27				.44	.17	.07	T.	.15	.06				3.89
Raymond‡	Genesee					.22			.14					.33					.44	1.02				.13	.53								2.81

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement. ‡ Mdt. to mdt. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Bloserville, Newville; of Acmetonia, Barking; of Penline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airways Station. ¶ River Station.

Daily Temperatures for November, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	68	70	67	64	62	71	76	70	47	64	68	70	68	48	61	41	60	62	68	52	58	60	46	28	26	24	....	....	....	47	....	66.1°
	Minimum	30	36	35	48	60	45	66	37	27	22	29	45	47	33	28	18	33	37	40	32	31	30	28	18	11	7	7	14	19	33	....	30.9
Bedford	Maximum	65	70	68	65	63	73	78	71	47	54	70	68	67	60	53	48	58	69	65	61	56	64	56	42	29	30	29	30	49	50	....	56.6
	Minimum	25	25	27	46	56	49	52	46	30	19	25	35	40	32	30	19	35	38	44	30	25	27	32	28	15	-3	6	14	23	40	....	30.8
Bethlehem	Maximum	67	76	74	62	71	69	76	73	69	63	66	71	66	62	49	49	54	54	67	60	54	60	47	38	29	27	33	30	43	48	....	56.9
	Minimum	34	36	42	46	69	64	62	60	36	32	36	46	52	41	36	31	35	38	50	35	34	38	38	24	19	12	18	18	18	30	....	37.3
Bloomsburg	Maximum	58	66	63	62	69	72	87	72	54	61	65	78	63	64	68	48	51	61	56	62	64	61	61	31	30	29	27	29	43	48	....	55.1
	Minimum	46	29	32	43	58	59	67	52	34	25	28	34	34	38	30	21	35	33	41	30	26	33	29	19	6	-2	7	3	4	6	....	29.7
Brookville‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	20	21	25	28	30	30	38	37	27	17	18	26	30	32	24	17	20	31	40	26	22	24	27	20	4	6	12	15	16	15	....	23.3
Butler	Maximum	68	77	78	75	71	81	81	66	44	67	67	67	60	45	48	48	60	67	65	45	60	60	57	28	30	30	30	30	45	43	....	56.4
	Minimum	24	27	28	30	52	32	31	41	27	19	27	32	45	33	27	18	40	38	40	30	24	32	28	16	14	8	20	16	23	25	....	28.2
Carlisle	Maximum	68	71	64	57	70	69	75	76	66	60	60	71	60	55	54	53	48	64	66	55	59	64	67	33	35	27	28	24	42	65	....	66.6
	Minimum	28	31	34	55	65	60	68	58	33	26	29	35	45	44	32	24	32	33	45	35	31	33	33	21	18	2	1	12	8	14	....	32.2
Chambersburg	Maximum	67	71	66	61	66	68	76	75	56	58	64	71	64	52	68	63	52	61	56	51	66	61	49	35	35	25	28	33	43	55	....	56.5
	Minimum	30	31	37	42	57	68	91	49	32	26	30	38	44	39	34	23	33	38	48	34	32	32	34	21	18	6	4	13	9	28	....	32.7
Chambersville	Maximum	65	78	74	69	64	76	82	75	62	65	67	69	67	49	48	44	60	73	68	45	58	62	62	30	31	32	30	28	44	45	...	66.9
	Minimum	22	26	37	45	50	37	54	36	26	22	30	38	46	31	25	15	35	38	39	22	25	37	25	18	7	6	17	13	19	28	....	29.0
Claysville	Maximum	68	76	76	77	69	76	82	75	48	62	67	69	66	46	53	52	61	70	66	50	62	60	53	30	31	35	30	28	43	48	....	57.3
	Minimum	26	32	40	34	49	37	53	32	27	21	33	40	44	32	27	17	43	41	39	28	28	38	27	19	9	9	15	14	20	33	....	30.2
Clearfield	Maximum	69	74	71	72	64	78	78	70	61	60	65	70	67	45	47	44	61	60	67	52	58	61	64	42	35	32	34	25	32	45	...	56.4
	Minimum	23	25	26	23	44	37	49	31	29	18	26	24	41	32	26	17	32	33	33	25	24	24	24	17	7	4	6	15	21	20	....	25.1
Coatesville	Maximum	61	70	63	62	71	72	75	72	55	59	62	69	65	53	50	49	53	67	67	52	57	59	45	35	28	26	32	32	40	48	....	65.0
	Minimum	31	36	36	42	58	61	57	55	34	28	33	41	45	39	26	27	28	33	44	35	32	32	33	25	12	5	19	13	12	23	....	33.2
Corry	Maximum	68	75	75	72	63	73	77	69	47	61	67	66	61	43	38	47	60	63	55	53	59	53	36	24	33	30	30	25	43	39	....	53.5
	Minimum	20	27	32	42	48	28	44	29	24	20	28	32	38	28	24	19	32	40	33	27	27	32	19	11	10	10	16	13	20	25	....	26.6
Coudersport	Maximum	67	71	69	67	62	70	77	67	45	64	64	67	60	45	40	35	55	65	55	50	53	57	49	22	30	28	31	24	36	40	....	61.8
	Minimum	18	30	25	38	39	34	45	40	28	14	21	28	42	27	24	10	28	40	33	33	32	33	18	12	1	-6	2	12	18	20	...	24.7
Dahoga	Maximum	65	72	71	68	63	71	76	71	64	58	64	66	62	54	32	38	55	45	54	47	52	53	45	22	29	24	28	26	41	38	....	51.8
	Minimum	29	33	43	38	49	36	53	30	25	20	34	37	43	31	25	15	30	19	19	20	28	35	21	16	4	10	10	10	17	26	....	26.9
Donora*	Maximum	71	78	77	75	70	80	84	72	48	64	67	70	70	48	54	63	64	75	58	51	65	62	42	28	32	37	29	28	46	49	....	58.2
	Minimum	35	38	36	41	47	45	67	35	30	25	39	45	46	36	31	28	47	47	42	32	33	42	28	22	18	23	20	19	23	34	....	34.8
Ebensburg	Maximum	60	67	62	60	62	68	71	66	43	60	62	60	59	45	40	41	54	60	57	44	56	53	53	28	26	26	23	19	41	39	....	49.8
	Minimum	28	32	39	41	50	44	55	39	24	24	32	42	41	28	24	19	31	40	39	30	28	33	25	17	13	9	12	11	17	32	....	30.0
Emporium	Maximum	60	69	70	69	67	73	77	74	48	57	68	70	64	56	44	45	60	66	60	60	55	59	57	30	33	27	30	28	47	42	....	55.5
	Minimum	25	24	28	32	55	38	47	43	24	22	24	33	42	36	30	18	35	32	49	30	29	30	25	20	5	4	10	17	13	20	....	28.0
Ephrata	Maximum	65	71	66	63	69	69	75	74	67	62	65	69	64	56	53	49	51	67	66	55	58	66	61	37	30	30	32	32	44	42	....	56.9
	Minimum	31	32	38	49	58	63	61	58	34	28	34	36	60	40	32	27	34	36	46	38	29	41	37	24	19	4	20	15	8	19	....	34.7
Erie*	Maximum	60	72	74	72	66	69	77	69	47	60	68	67	66	45	41	43	60	60	46	51	57	51	32	25	30	32	31	30	44	39	....	52.8
	Minimum	39	49	55	50	52	50	60	33	35	36	48	49	44	35	32	32	43	46	37	36	38	32	25	22	21	23	21	21	30	35	....	37.6
Franklin‡	Maximum	66	73	74	71	63	74	80	63	48	60	66	67	63	43	45	44	59	67	41	49	57	55	30	29	31	30	28	27	44	42	....	53.0
	Minimum	26	27	30	32	40	35	36	48	28	21	22	29	36	33	29	20	22	37	40	28	29	29	29	22	10	11	20	18	19	26	....	27.7
Freeland	Maximum	57	66	58	54	60	63	68	64	46	57	63	65	58	50	42	42	49	56	58	46	53	67	48	24	24	24	27	25	39	41	....	49.5
	Minimum	32	43	53	43	53	57	60	42	29	30	38	48	48	32	26	21	29	40	36	29	30	35	21	14	12	8	16	12	17	31	....	32.8
George School	Maximum	65	74	65	69	73	72	77	73	67	60	65	72	68	67	51	49	55	71	69	62	58	59	46	41	33	31	39	33	41	50	....	58.5
	Minimum	32	34	39	38	58	62	58	56	33	29	33	40	47	44	29	27	32	34	59	39	32	32	37	25	18	2	20	14	7	22	....	34.4
Gettysburg	Maximum	67	71	67	59	67	69	74	73	56	58	64	73	67	61	55	53	52	66	69	56	60	66	57	39	34	30	33	32	42	66	....	57.5
	Minimum	30	33	39	50	57	61	63	55	32	28	32	39	50	39	32	25	33	39	49	37	32	38	38	21	18	8	8	15	12	26	....	34.6
Gordon	Maximum	61	68	59	69	66	68	70	70	65	69	66	68	59	51	47	45	51	62	62	51	52	61	54	32	27	22	27	28	44	48	....	53.4
	Minimum	22	26	34	44	55	59	63	57	32	22	29	39	47	38	27	19	29	34	44	37	25	32	32	18	17	-5	9	12	5	14	....	30.5
Greensburg	Maximum	66	75	75	76	70	77	81	70	47	63	64	69	65	48	49	52	60	70	57	46	61	60	51	28	30	34	28	26	39	45	....	56.1
	Minimum	30	33	39	47	52	43	58	34	28	26	33	45	48	33	28	22	41	46	40	30	30	41	27	20	15	15	18	16	22	33	....	33.1
Greenville	Maximum	65	72	73	72	66	70	77	72	47	59	66	66	62	51	45	45	58	64	57	52	55	52	43	26	30	31	28	28	39	39	....	53.7
	Minimum	25	31	35	41	51	33	46	34	26	21	30	35	46	31	28	22	39	40	40	28	30	40	26	20	15	13	21	17	20	28	....	30.4
Grove City	Maximum	65	74	73	70	65	74	79	71	44	58	66	66	62	49	44	42	59	61	57	49	56	52	42	30	30	26	38	26	42	40	....	53.7
	Minimum	34	40	46	45	45	41	66	30	25	27	39	44	44	33	29	22	32	25	38	28	31	34	26	19	13	17	19	13	21	29	....	31.5
Harrisburg*	Maximum	64	69	63	63	69	70	75	73	51	57	64	68	61	50	55	40	49	61	59	63	66	61	48	28	31	23	28	30	40	50	....	53.6
	Minimum	35	37	44	50	59	60	62	41	37	33	37	44	50	40	36	30	35	42	42	38	35	42	28	20	18	13	13	17	19	27	....	36.1
Hawley	Maximum	59	69	59	65	68	68	74	69	63	68	64	65	62	53	41	44	53	57	63	50	52	60	55	31	25	24	34	28	43	44	....	53.3
	Minimum	23	23	28	43	49	57	59	54	34	21	24	32	39	35	26	23	28	29	41	28	21	24	30	17	12	-6	11	11	14	23	....	28.4
Holtwood*	Maximum	64	65	64	63	69	69	74	73	62	60	66	68	67	55	55	45	62	66	57	54	57	65	47	35	32	33	34	32	46	53	....	55.7
	Minimum	39	41	43	53	62	63	57	44	37	37	41	45	52	38	34	33	42	43	44	37	37	40	35	22	18	17	21	21	19	28	....	38.1
Huntingdon	Maximum	67	73	66	65	66	70	78	73	50	58	71	70	69	51	54	42	53	68	56	56	58	65	56	27	31	27	28	31	60	51	....	56.0
	Minimum	27	26	28	39	58	51	50	40	30	19	25	32	43	37	33	18	35	34	42	29	24	29	27	19	15	3	3	15	15	39	....	29.5
Johnstown	Maximum	68	78	75	70	67	80	83	74	50	65	70	73	71	58	52	47	63	74	68	54	60	63	59	30	32	31	28	30	51	49	....	58.8
	Minimum	28	30	32	34	64	45	54	36	30	23	29	38	48	35	30	23	38	41	40	33	29	29	30	20	16	10	15	16	24	34	....	31.5
Kylertown*	Maximum	64	72	66	61	61	72	74	68	45	55	65	67	64	41	45	37	57	60	54	48	52	58	40	22	27	22	27	23	43	42	....	51.1
	Minimum	26	32	39	45	43	43	58	31	29	22	29	44	39	31	25	18	34	45	33	27	29	40	22	15	8	9	10	14	20	29	....	29.6
Lancaster	Maximum	64	71	65	64	70	70	74	72	69	60	64	71	66	61	53	51	51	67	67	55	57	66	53	42	34	30	32	33	47	44	....	57.4
	Minimum	27	28	31	40	57	62	54	51	31	24	30	33	43	38	24	21	26	31	49	37	25	29	36	21	17	-7	13	2	1	13	....	29.6
Lawrenceville	Maximum	56	53	57	58	59	61	70	68	49	49	57	58	58	50	32	34	47	57	57	40	42	52	52	23	16	20	23	23	42	42	....	46.8
	Minimum	30	25	28	41	55	38	50	47	30	21	25	33	47	32	25	19	30	32	30	25	23	36	22	16	10	-8	-4	15	19	25	....	27.2
Lebanon‡	Maximum	67	72	64	65	71	70	74	74	57	60	66	72	62	50	54	42	50	64	57	55	57	65	52	41	32	26	32	38	45	47	....	56 0
	Minimum	30	31	36	45	51	61	63	57	32	27	32	36	42	38	31	25	29	36	45	36	29	32	40	24	19	8	9	16	9	12	...	32.7
Lewistown	Maximum	68	72	66	62	68	70	78	76	58	62	70	76	66	65	57	67	66	66	64	59	58	66	68	36	55	29	33	35	53	50	....	60.0
	Minimum	28	29	34	46	57	57	56	48	35	26	30	38	43	38	25	34	35	37	43	33	30	32	36	20	19	8	6	18	13	27	....	32.7
Lock Haven	Maximum	59	62	64	65	70	64	76	74	57	63	57	65	65	53	50	49	51	63	62	51	51	59	57	46	31	31	26	27	45	45	....	54.3
	Minimum	30	30	32	38	56	52	52	55	35	25	27	39	44	36	30	22	35	36	41	31	29	32	29	19	14	5	8	20	19	27	....	31.6
Marcus Hook*	Maximum	70	68	68	75	75	77	74	71	58	65	72	70	70	56	56	58	71	72	67	59	60	61	49	30	32	35	34	42	53	50	....	59.9
	Minimum	44	47	49	60	64	61	60	37	39	43	47	55	46	37	33	38	45	61	41	42	42	43	26	22	18	22	22	24	34	37	....	41.2
Meadville	Maximum	65	74	73	70	63	73	76	65	48	60	71	67	61	41	42	46	58	64	43	54	56	53	30	21	32	30	29	26	41	38	....	52.3
	Minimum	26	33	36	44	31	32	69	27	21	22	31	35	32	27	24	25	40	40	24	28	31	28	19	11	5	21	17	18	25	31	....	28.1
Midland	Maximum	60	68	74	70	65	70	77	73	46	56	65	70	64	50	52	50	59	69	59	48	57	57	45	37	32	33	31	31	44	48	....	55.3
	Minimum	32	34	36	38	52	38	44	35	28	25	33	40	48	37	30	25	42	41	40	28	30	37	28	21	16	14	17	17	23	29	....	31.9
Montrose	Maximum	57	67	59	61	63	66	67	67	49	54	63	63	58	48	38	38	51	54	54	46	49	50	47	22	20	20	28	24	39	40	....	48.7
	Minimum	23	36	42	42	52	52	60	48	30	28	34	44	46	27	22	22	28	37	32	30	26	34	19	10	8	3	10	10	13	31	....	30.0
Mount Pocono	Maximum	56	72	59	53	61	60	65	65	62	62	63	67	58	55	34	41	50	50	60	50	50	56	46	35	19	12	28	28	35	39	....	49.7
	Minimum	22	40	39	43	50	50	55	52	27	25	32	41	45	25	18	18	25	30	40	30	20	32	25	15	7	-2	10	9	20	27	....	29.0
Muncy Valley	Maximum	59	65	69	59	65	67	72	69	62	67	69	64	61	49	47	45	48	55	59	54	51	58	45	29	30	28	27	28	37	44	....	52.7
	Minimum	24	27	34	44	55	52	50	47	22	34	33	30	36	22	23	17	30	30	39	31	24	33	28	15	12	-1	6	15	11	18	....	28.0
New Bloomfield	Maximum	66	70	62	57	67	69	73	72	52	57	66	71	62	54	52	42	49	57	57	53	56	62	46	29	34	26	31	31	43	53	....	54.0
	Minimum	25	27	31	48	56	57	62	46	34	22	27	34	48	37	31	20	32	32	41	31	26	32	27	18	17	0	-5	10	5	14	....	29.5
New Castle	Maximum	68	77	76	73	70	76	81	76	76	72	69	68	65	53	49	45	61	67	61	55	59	57	45	29	33	30	31	31	45	44	....	58.1
	Minimum	27	29	30	33	52	32	45	34	32	21	30	35	48	33	27	21	41	37	40	29	30	40	28	22	14	12	22	17	24	25	....	30.3
Palmerton*	Maximum	64	72	60	61	68	69	72	70	52	58	62	69	61	48	49	39	54	63	59	52	53	60	42	29	29	26	35	30	39	46	....	53.0
	Minimum	29	29	37	52	61	64	58	40	33	26	29	36	49	39	26	26	36	36	40	30	27	36	29	19	5	2	18	12	18	18	....	32.0
Philadelphia*	Maximum	65	73	61	70	72	73	76	72	55	59	64	71	68	55	52	44	55	70	67	55	56	59	53	34	31	33	37	32	41	50	....	56.8
	Minimum	42	47	50	49	62	63	61	43	38	41	46	46	54	43	40	34	39	44	43	42	44	43	34	24	22	18	22	22	25	35	....	40.5
Phoenixville	Maximum	62	71	68	64	72	75	75	73	70	59	65	71	67	67	53	50	57	69	70	62	57	61	58	43	30	30	35	35	43	52	....	58.8
	Minimum	27	28	32	39	60	63	68	54	33	26	30	35	45	37	25	26	28	33	57	39	27	28	37	25	21	-1	20	12	6	18	....	32.6
Pittsburgh*	Maximum	65	72	74	69	63	75	78	66	46	62	65	67	67	44	50	48	60	69	54	50	61	58	38	24	29	34	26	26	45	46	....	54.4
	Minimum	30	40	49	49	50	45	59	32	29	30	41	48	40	33	29	24	45	49	38	29	34	38	24	19	15	17	15	15	21	34	....	33.6

Continued on page 65.

Daily Temperatures for November, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton	Maximum	61	68	66	60	68	68	70	71	71	55	60	68	64	58	47	50	52	53	60	53	51	60	56	37	27	26	32	30	40	43	....	54.2
	Minimum	26	29	32	50	59	62	62	57	35	26	30	34	34	37	27	25	33	33	49	36	27	36	36	21	19	2	19	16	11	18	....	32.7
Quakertown	Maximum	58	67	60	62	70	70	72	70	65	56	60	67	61	60	47	46	53	65	66	57	52	56	50	39	27	27	33	31	40	44	....	54.4
	Minimum	27	28	33	36	61	61	59	54	33	24	28	35	44	40	29	25	38	30	54	36	27	28	33	23	18	−6	16	17	5	18	....	31.8
Reading*	Maximum	64	71	63	63	70	70	74	74	52	60	64	70	65	51	54	42	51	72	63	53	58	65	51	32	30	30	33	33	47	50	....	55.8
	Minimum	37	46	40	50	63	64	63	40	36	33	37	47	51	42	36	30	34	36	41	38	38	43	32	22	17	12	21	18	22	32	....	37.4
Retreat	Maximum	51	61	61	68	69	66	75	71	59	58	62	66	68	53	45	46	48	59	59	48	54	59	56	29	27	28	27	27	42	44	....	52.9
	Minimum	30	29	33	48	56	57	61	59	31	26	28	35	44	35	28	21	32	45	40	29	24	34	27	18	12	0	16	16	12	21	....	31.6
Ridgway‡	Maximum	59	65	73	74	73	61	74	79	68	45	60	65	68	63	41	43	43	59	68	42	47	58	57	30	32	31	28	30	25	43	. ..	53.1
	Minimum	22	22	24	28	37	32	32	48	29	17	17	25	33	33	28	15	17	31	40	26	26	26	30	19	2	2	10	16	17	19	....	24.1
Scranton*	Maximum	54	66	63	63	69	68	74	70	49	60	63	66	64	45	46	38	50	63	58	48	53	60	43	24	23	28	31	27	41	45	....	51 7
	Minimum	33	32	45	52	61	60	63	38	35	29	33	40	45	35	30	27	38	36	38	34	31	40	24	18	7	6	19	18	22	28	....	33.9
Selinsgrove	Maximum	53	61	62	57	70	66	74	72	55	56	61	67	65	61	51	50	48	56	56	56	56	61	56	42	32	25	25	28	42	48	....	53.4
	Minimum	29	30	32	44	50	57	63	52	34	24	29	35	36	37	30	21	34	33	41	32	27	36	30	18	15	15	−5	14	11	20	....	30.8
Somerset	Maximum	60	74	57	57	55	75	78	65	50	54	61	63	55	47	48	40	59	70	57	45	55	59	50	30	24	25	23	24	42	42	. ..	51.5
	Minimum	15	17	21	29	48	34	50	30	24	12	20	29	41	30	25	11	32	34	36	28	20	25	30	14	11	−13	−5	10	15	30	....	23.4
Springs	Maximum	63	70	65	62	60	70	73	67	43	58	61	68	65	43	41	40	54	70	53	44	50	55	51	31	24	22	22	20	40	42	....	50.9
	Minimum	34	42	45	44	48	48	55	30	32	27	37	45	42	29	33	18	33	45	35	30	30	34	31	14	10	6	10	8	20	34	....	31.6
State College	Maximum	66	71	67	65	66	68	76	71	48	66	65	67	63	48	50	42	56	63	59	50	55	60	50	35	29	28	26	25	47	47	....	54.3
	Minimum	28	30	35	48	50	46	60	40	30	24	25	47	47	34	28	22	34	37	40	29	29	36	34	20	10	5	8	15	18	33	....	31.4
Stroudsburg‡	Maximum	61	74	68	68	68	68	78	69	68	60	66	68	71	54	58	57	59	63	63	61	57	53	37	35	36	33	45	38	34	38	....	56.9
	Minimum	28	27	32	34	60	65	61	58	31	24	29	37	42	29	23	37	35	39	43	34	28	26	34	33	33	2	24	18	18	20	....	33.1
Towanda	Maximum	51	67	68	66	69	68	77	74	51	60	67	67	65	52	45	38	57	60	57	54	51	60	44	25	28	23	32	30	44	43	....	53.1
	Minimum	28	28	31	44	57	49	56	47	32	23	27	35	45	32	26	20	35	30	34	30	26	39	24	16	7	−7	3	17	23	29	....	29.5
Uniontown	Maximum	67	74	77	76	66	77	83	72	49	65	67	71	68	50	55	56	63	75	58	47	65	62	50	30	35	38	32	27	43	49	....	58.2
	Minimum	28	29	37	53	52	43	62	37	28	29	30	40	50	35	32	22	44	43	41	35	28	36	30	20	17	13	19	16	23	36	....	33.8
Vandergrift*	Maximum	68	74	79	74	62	78	85	59	48	62	68	70	68	47	57	49	62	74	58	48	62	83	43	32	37	36	38	32	47	50	....	58.3
	Minimum	26	29	30	31	40	37	48	36	28	22	30	38	45	37	29	21	39	41	39	28	28	32	27	22	11	11	19	17	22	27	....	29.7
Warren	Maximum	68	75	75	70	63	74	78	67	48	61	68	65	62	42	40	38	60	65	56	52	57	56	35	23	31	30	32	24	47	38	....	53.4
	Minimum	25	30	32	46	44	34	44	33	29	22	29	34	41	30	29	23	36	38	34	27	31	35	22	18	8	16	15	17	21	26	....	29.0
Waynesburg	Maximum	70	77	76	78	67	77	81	72	49	64	67	70	63	47	54	57	63	71	55	50	65	61	53	29	32	37	30	28	45	49	....	57.9
	Minimum	26	29	32	41	51	38	51	34	28	20	30	37	47	40	37	19	41	46	41	31	26	38	29	20	16	12	16	16	24	38	....	31.8
Wellsboro	Maximum	62	66	63	64	67	65	75	70	45	54	62	65	64	46	42	35	54	58	54	50	49	57	45	22	21	25	28	28	44	38	....	50.6
	Minimum	25	25	29	43	50	43	54	42	32	21	26	35	46	33	26	17	32	46	34	24	25	34	22	15	8	−4	0	24	22	22	....	28.2
West Chester	Maximum	64	71	64	62	....	71	77	73	62	60	63	70	65	60	50	44	56	67	67	55	57	61	49	40	32	30	36	32	43	52	....	56.3^a
	Minimum	33	37	42	45	60	....	59	56	33	32	38	42	50	40	29	28	33	41	48	38	33	37	40	23	18	13	19	16	15	27	....	35.3^a
Wilkes-Barre	Maximum	53	65	63	63	69	68	75	72	54	60	63	66	64	52	47	40	51	59	58	51	54	62	46	27	28	27	35	28	42	51	....	53.1
	Minimum	30	30	35	50	58	58	63	52	34	27	30	35	45	38	25	24	34	31	41	34	28	36	27	19	9	−1	17	15	11	22	....	31.9
Williamsport	Maximum	55	62	64	59	68	68	77	73	50	56	59	67	61	53	47	47	45	57	56	52	51	62	53	27	29	25	27	27	47	46	....	52.3
	Minimum	29	29	32	51	56	55	58	45	35	25	29	37	49	37	31	32	35	34	39	33	28	43	27	18	14	4	3	19	13	21	....	31.7
Williamstown	Maximum	68	67	61	60	66	68	73	70	64	58	69	67	70	66	47	48	51	56	62	60	59	60	53	39	31	27	27	29	41	48	.. .	55.7
	Minimum	33	35	33	46	56	56	59	58	29	31	37	39	50	42	28	23	30	40	51	30	33	39	30	15	14	11	13	13	17	26	....	33.9
York	Maximum	61	66	65	64	69	71	74	72	55	58	65	68	65	60	51	51	52	70	69	52	57	60	52	40	30	26	31	31	44	50	....	56.1
	Minimum	29	30	32	51	56	62	61	54	30	26	32	35	50	40	27	23	29	35	49	38	28	36	35	23	18	−1	3	5	6	22	....	32.1

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ^{a}, ^{b}, ^{c}, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity *	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Erie	30.10	30.42	22	29.58	18	10.6	28	w.	14	75	64	67	45
Harrisburg	30.17	30.56	26	29.65	19	6.9	29	nw.	14	79	62	68	61
Philadelphia	30.17	30.57	26	29.66	19	12.7	34	nw.	19	81	70	73	60
Pittsburgh	30.15	30.47	9	29.70	13	11.6	40	nw.	13	76	56	59	63
Reading	30.18	30.59	26	29.64	13	10.5	44	nw.	14	74	57	64	50
Scranton	30.16	30.57	26	29.61	13	6.4	30	nw.	15	82	62	71	57

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	3.5	5.2	21	2.7	1	18
Easton	Delaware	3.6	5.4	22	2.3	2	22
Lehighton	Lehigh	3.9	4.8	20	3.0	4	9
Wilkes-Barre	Susquehanna	4.0	7.6	22	2.5	6	20
Williamsport	Susquehanna	0.9	2.3	21	0.5	4	20
Harrisburg	Susquehanna	3.8	5.0	23	3.4	5	18
Greensboro	Monongahela	10.9	12.4	21	10.3	3	30
West Newton	Youghiogheny	0.1	1.3	21	−0.2	4	20
Lock No. 4	Monongahela	11.5	13.6	22	10.7	1	30
Pittsburgh	Ohio	.....	16.9*	11	16.2*	23	25
Midland	Ohio	......	16.0*	10	14.8*	23	30

* Pool stage.

7.03
vP

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. DECEMBER, 1938. No. 12.

GENERAL SUMMARY.

December was a generally pleasant month with a moderate excess in temperature and a moderate deficiency of precipitation. The temperature excess was greatest in the eastern portion of the State, while monthly averages were mostly near the normal in the western portion. For example, temperatures were above the normal about two-thirds of the time in Philadelphia, and below the normal about two-thirds of the time in Pittsburgh. Departures were not large in any region excepting three dates when they amounted to ten degrees or more. There was no severe cold, and no more than four or five dates when outdoor work caused much discomfort. About one-half of the stations in the eastern half of the State recorded more or less excess of precipitation, while there was a general deficiency in the western half, amounting to more than fifty per cent in most of that region. For the State as a whole the precipitation was about four-fifth of the December normal. Nearly all of the precipitation in the region southeast of the mountains was in the form of rain. This area constitutes the chief agricultural section of the State, and there was no snow cover on the fields at any time. However, there was no deep frost in the soil, and the winter grains appeared to be in good condition. The heavy November snows seemed to act as a stimulus to the grains, and when the snows melted the improvement was marked. The snowfall was generally light in a few of the southwestern counties, but was heavier elsewhere, and neared the normal at many places in the northern tier of counties and in Somerset county. The main highways were in good condition most of the time. They were icy in a few regions on four or five dates, but there was much less than the usual blockading by snow. The snowfall for the State as a whole was about three-fifths of the December normal. The surface water supply, and the moisture in the top soil were generally ample for all needs, having been replenished by the unusually heavy November snows. There were no damaging, or really disagreeable, storms during the month, and building and construction work made better progress than is usual in December. Dense fogs occurred on from four to six dates, and interfered with aviation. Also night traffic on the highways was practically suspended in some instances, and numerous accidents occurred in heavy traffic in the suburbs of the larger cities.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 93 stations, was 32.2°, which is 0.9° above the 51-year normal for December. The highest monthly mean was 39.6° at Philadelphia-Pt. Breeze and Marcus Hook, and the lowest was 22.4° at Gouldsboro. The highest recorded during the month was 64° at Hanover on the 5th, and the lowest was −5 at Somerset and Coudersport on the 29th. The greatest daily range in temperature was 40° at Somerset on the 29th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 172 stations was 2.56 inches, which is 0.54 inch less than the 51-year normal for December. The greatest monthly amount was 5.49 inches at Freeland, and the least was 0.82 inch at Clairton. The greatest amount recorded in any 24 consecutive hours was 2.50 inches at Zionsville on the 4th.

The average snowfall for the State was 4.7 inches, which is 3.2 inches less than the 51-year average. The greatest total snowfall for the month was 16.8 inches at Couderport. The greatest 24-hour snowfall was 8.0 inches which occurred at Coudersport on the 21st, at Bedford, McConnellsburg and Mt. Pocono on the 26th, and at Huntingdon on the 26-27th.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	32.5	62	−10	3.14	5.2	9	8	8	15
1889	39.6	73	0	2.77	0.9	12	11	9	11
1890	27.2	59	−11	3.97	29.4	12	7	8	16
1891	38.4	68	−3	4.09	0.8	10	12	8	11
1892	27.8	70	−13	1.69	5.7	9	7	9	15
1893	32.2	70	−7	3.06	9.4	12	6	11	14
1894	32.4	66	−28	3.95	11.9	10	10	9	12
1895	34.2	70	−10	3.22	2.3	7	10	9	12
1896	30.6	67	−13	1.20	5.4	6	10	9	12
1897	33.0	73	−6	3.95	9.6	12	6	8	17
1898	29.8	68	−11	2.98	8.7	10	10	8	13
1899	31.5	73	−11	3.04	4.4	10	10	11	11
1900	31.2	65	−2	2.08	3.9	7	8	9	14
1901	29.1	77	−18	5.91	7.6	11	7	9	15
1902	28.4	68	−12	5.54	17.3	14	7	7	17
1903	25.4	60	−14	2.66	13.2	9	8	9	14
1904	25.8	71	−19	2.48	14.4	11	7	7	17
1905	33.6	65	−5	3.57	2.2	8	10	7	14
1906	30.8	67	−14	3.97	7.6	14	5	5	21
1907	33.2	68	−8	4.30	9.8	12	7	8	16
1908	32.0	74	−2	2.86	9.4	10	9	8	14
1909	27.0	71	−10	3.39	12.7	8	9	8	14
1910	24.4	68	−14	2.65	16.0	12	8	6	17
1911	36.3	70	5	3.27	5.4	13	7	5	19
1912	34.4	74	−8	3.27	8.1	9	9	7	15
1913	34.2	66	−7	2.63	7.2	8	9	7	15
1914	27.3	69	−28	4.63	13.0	14	8	5	18
1915	29.4	70	−7	4.06	13.7	12	6	8	17
1916	29.7	73	−12	3.07	10.5	12	11	9	11
1917	21.5	52	−28	1.78	15.0	8	10	8	13
1918	36.6	72	−1	3.38	3.0	11	9	7	15
1919	25.3	66	−23	2.61	9.4	11	9	8	14
1920	33.4	68	−7	3.28	3.8	10	7	9	15
1921	31.6	66	−11	2.59	7.2	10	8	8	15
1922	31.5	69	−9	2.75	7.1	10	10	8	13
1923	39.6	71	1	4.99	2.4	14	9	7	15
1924	39.8	69	−23	2.13	3.6	11	7	7	17
1925	30.7	62	−15	1.72	3.8	10	8	7	16
1926	27.3	62	−20	2.58	10.0	12	8	7	16
1927	32.7	73	−6	4.41	4.5	13	9	6	16
1928	24.4	68	−2	1.16	0.9	6	18	7	11
1929	32.2	70	−9	2.77	10.0	12	7	6	18
1930	30.0	59	−15	2.29	6.8	10	6	7	18
1931	38.1	70	−1	2.85	1.1	11	10	6	15
1932	33.3	72	−14	2.19	7.4	12	10	6	15
1933	31.7	74	−22	2.88	8.7	12	9	7	15
1934	30.7	73	−10	2.55	3.0	10	9	8	14
1935	26.3	60	−19	2.62	13.5	16	5	7	19
1936	34.5	74	−11	4.19	6.3	11	11	6	14
1937	29.7	66	−14	2.45	5.7	10	10	5	16
1938	32.2	64	−5	2.56	4.7	11	8	7	16
Period	31.3	77	−28	3.10	7.9	10	8	8	15

Climatological Data for December, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage.																				
Allentown	Lehigh	254	26	33.4	+1.4	57	5	16	29	31	2.67	−0.84	0.90	0.8	9	15	13	3	ne.	John A. Frick.
Altoona	Blair	1,615	51	29.2	−0.7	56	4	3	29	25	1.91	−0.83	0.46	8.5	10	13	6	12	w.	John J. Martin.
Ardmore	Montgomery	350	18	33.8	−0.4	57	5	15	29	28	3.97	+0.23	1.34	0.4	11	7	10	14	......	H. L. Balderston.
Arendtsville	Adams	700	16	32.5	−0.5	55	4	10	29	30	4.18	+0.96	1.54	6.3	9	11	6	14	nw.	Harold J. Miller.
Bedford	Bedford	1,060	6	32.1	......	57	4	2	29	27	2.56	....	1.24	8.5	7	8	2	21	nw.	Charles C. Lee.
Bethlehem	Northampton	364	53	35.2	+1.7	54	4†	16	2	20	2.82	−0.46	0.76	0.5	9	13	1	17	w.	Lehigh University.
Bloomsburg	Columbia	500	12	32.6	......	57	4	5	28	29	3.54	....	1.40	2.0	8	6	13	12	......	Bloomsburg Water Co.
Carlisle	Cumberland	467	72	33.1	+1.4	54	7	10	29	29	4.01	+0.91	1.18	8.5	9	11	5	15	nw.	Prof. C. E. Miller.
Chambersburg	Franklin	580	39	33.7	+0.5	54	4	12	29	24	3.18	+0.22	1.08	4.5	10	7	12	12	sw.	William B. Spear.
Clearfield	Clearfield	1,120	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	John Hess.
Coatesville	Chester	380	51	33.6	+0.8	57	4	12	29	27	3.71	−0.28	1.44	1.0	10	7	6	18	nw.	Howard L. Pyle.
Colebrook	Lebanon	560	27	32.3	+0.9	53	5†	10	29	25	3.31	−0.16	1.25	2.0	11	12	5	14	w.	Wm. A. Rorer.
Emporium	Cameron	1,050	51	30.6	+1.4	59	5	2	29	35	1.43	−1.79	0.47	4.0	9	9	0	22	w.	C. E. Koppenheffer
Ephrata	Lancaster	380	46	34.6	+2.0	56	5†	15	29	22	2.57	−0.55	0.63	0.7	10	11	3	17	n.	Ira J. Keath
Freeland	Luzerne	1,970	45	28.4	+1.1	51	4†	8	28	24	5.49	+1.57	1.48	8.6	12	3	0	28	w.	Andrew B. Evansha
George School	Bucks	190	32	35.2	+2.1	59	6	14	2	27	2.67	−0.90	1.12	T.	8	14	4	13	n.	Prof. N. W. Swayne.
Gettysburg	Adams	553	65	34.4	+1.8	52	7	12	29	23	3.44	+0.28	1.24	4.8	11	11	7	13	e.	Dr Henry Stewart
Gordon	Schuylkill	840	34	31.0	+1.6	54	4	6	29	27	4.83	+1.11	1.20	9.0	10	11	4	16	w.	Miss Sallie M. Johnson.
Gouldsboro	Wayne	1,875	23	22.4	−2.7	48	5	−4	29	26	3.68	+0.36	0.90	6.0	7	9	6	16	nw.	Ronald H. Marshall.
Hanover	York	600	34	35.7	+1.1	64	5	15	28†	29	3.70	+0.65	1.40	2.1	10	13	3	15	n.	Thomas Y. Cooper.
Harrisburg	Dauphin	337	69	34.1	+1.4	52	7	17	28	19	3.65	+0.63	1.36	3.2	11	8	8	15	w.	U. S. Weather Bureau.
Hawley	Wayne	900	20	28.0	−0.5	54	4	2	29	29	3.35	+0.28	1.05	10.7	13	7	9	15	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	23	35.4	+0.9	53	5	18	29	22	2.12	−0.56	0.67	0.5	8	10	10	11	nw.	H. W. Lowy, C. E.
Huntingdon	Huntingdon	650	51	31.6	0.0	58	4	3	29	28	3.01	+0.09	1.30	9.0	10	10	5	16	w.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,694	7	28.2	......	53	4	5	28	27	1.34	....	0.47	4.0	16	1	12	18	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	51	33.6	+0.5	56	5†	12	29	27	2.78	−0.41	0.86	0.5	10	14	3	14	nw.	Supt. of Water Works.
Lawrenceville	Tioga	1,000	41	27.0	−1.7	47	5†	5	23	21	1.20	−0.78	0.50	6.0	9	2	8	21	......	C. P. Darling.
Lebanon	Lebanon	469	54	32.8	+0.7	55	5	14	29	26	4.14	+0.80	1.03	1.5	10	14	5	12	sw.	Lebanon Valley Gas
Lewistown	Mifflin	500	....	35.9	......	57	4†	13	29	38	2.26	....	1.00	2.4	8	8	4	19	ne.	Penna. Edison Co.
Lock Haven	Clinton	580	48	32.9	+1.7	53	4	11	16†	22	2.54	−0.31	1.13	4.2	11	3	13	15	ne.	Joseph Beaver.
Marcus Hook	Delaware	50	12	39.6	+0.8	60	4†	21	1†	23	3.38	+0.57	1.20	0.2	7	16	4	11	e.	Sun Oil Co.
Montrose	Susquehanna	1.620	33	26.4	−0.1	51	4	4	2	25	3.92	+1.35	1.70	5.5	11	1	4	26	s.	Philip F. Chamberlain.
Mt. Pocono	Monroe	1,720	32	26.6	+0.9	53	4	−2	29	30	3.10	−0.16	0.90	11.0	7	13	3	15	nw.	Cecil J. Hoskinson.
Muncy Valley	Sullivan	1,045	26	30.4	+2.3	53	7	7	29	25	4.30	+1.27	1.58	3.5	5	17	9	5	nw.	H. O. Hacker.
Neshaminy Falls	Bucks	60	49	33.9	+1.8	61	6	11	2	36	2.78	−0.74	1.10	T.	11	15	2	14	sw.	Philadelphia Sub. Water Co.
New Bloomfield	Perry	679	....	30.8	......	55	4	9	29	30	3.00	....	1.07	3.0	8	9	12	10	w.	J. Earl Sneaffer
Palmerton	Carbon	398	20	32.6	+1.1	56	5	13	16†	25	4.86	+1.95	2.22	1.3	10	12	7	12	sw	New Jersey Zinc Co.
Philadelphia	Philadelphia	26	67	37.6	+1.3	59	5	20	28	27	2.22	−1.21	0.88	0.2	10	7	10	14	nw.	U. S. Weather Bureau
Phila. Navy Yard	Philadelphia	20	22	37.0	+1.4	58	5	20	29	27	2.57	−0.87	1.00	0.2	8	7	9	15	w	Navy Aerological Office
Phœnixville	Chester	100	28	35.1	+1.5	59	4	14	29	27	3.19	−0.50	1.12	T.	8	13	13	5	nw.	Philadelphia Sub. Water Co
Port Clinton	Schuylkill	407	....	33.1	+1.2	55	6	10	16	24	4.39	+0.78	......	0.5	9	14	2	15	n.	E. E. Rarick.
Quakertown	Bucks	496	53	32.7	+1.4	56	5†	9	3	30	2.88	−1.08	0.83	T.	8	9	8	14	w.	John E. Benner.
Reading	Berks	273	68	35.4	+3.2	58	5	17	29	27	1.98	−1.58	0.90	0.2	11	8	12	11	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	746	44	32.0	+1.3	55	4	13	29	28	3.51	+0.49	1.51	4.2	12	2	9	20	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	48	32.0	+0.3	54	4	12	2	22	3.40	+0.39	1.20	3.5	12	10	9	12	nw.	Dr. George E. Fisher.
Shawmont	Philadelphia	51	42	35.4	+0.2	58	6†	15	29	25	3.63	+0.10	1.54	0.2	8	5	9	17	nw.	W. S. Guiles.
Shippensburg	Cumberland	660	5	32.4	......	52	1	9	29	23	3.24	....	0.85	6.0	12	9	4	18	sw.	State Teachers College
State College	Center	1,217	54	30.8	+0.9	55	4	9	28	29	2.51	−0.16	1.09	5.3	11	4	8	19	w.	C. A. Kern.
Stroudsburg	Monroe	500	24	33.4	+3.0	60	4	10	2†	31	4.09	+0.73	1.40	0.5	8	11	8	12	w.	State Teachers College
Towanda	Bradford	754	44	30.9	+1.9	57	4	10	16	28	3.07	+0.88	1.63	5.1	12	2	12	17	nw.	Mrs. M. Ordelia Parks.
Wellsboro	Tioga	1,419	68	28.6	+0.7	50	4†	6	23	23	1.37	−0.77	0.50	4.6	9	21	3	7	n.	George W. Hill.
West Chester	Chester	455	89	34.6	+1.3	57	4†	15	29	25	2.94	−0.86	1.24	0.8	10	16	4	11	nw.	Harlan Saylor.
Wilkes-Barre(Airport)	Luzerne	544	....	32.3	......	56	4	8	16	28	3.88	+1.15	1.39	1.5	14	2	11	18	sw.	U. S. Airways Station.
Williamsport	Lycoming	521	52	32.0	+1.3	55	4	12	29	21	3.03	+0.14	1.19	2.4	14	7	4	20	w.	Mrs. Ralph F. Keller.
Williamstown	Dauphin	1,275	23	31.7	+0.4	57	4	9	28	28	3.57	+0.70	1.62	5.0	8	13	3	15	nw.	Susquehanna Collieries Co.
York	York	400	50	34.0	+0.8	55	5†	14	16†	23	2.62	−0.31	0.66	1.5	9	12	9	10	w.	York Water Co.
Ohio Drainage.																				
Brookville	Jefferson	1,173	48	31.6	+3.6	61	4	−1	29	39	1.83	−1.19	0.63	6.5	14	3	5	23	......	Frank S. Fawcett.
Butler	Butler	1,077	25	32.2	+1.1	58	4	9	28†	30	1.31	−1.70	0.52	6.0	9	10	10	11	......	William C. Faust.
Chambersville	Indiana	1,047	37	31.6	+0.6	57	4	7	28†	35	1.48	−1.85	0.37	8.2	15	8	2	21	w.	John E. Lewis.
Clairton	Allegheny	1,020	6	32.2	......	55	5	9	28	32	0.82	....	0.37	1.4	8	4	4	23	s.	Carnegie-Illinois Steel Corp
Claysville	Washington	1,150	33	32.8	+0.1	56	4†	8	28	35	1.53	−1.43	0.30	5.5	13	14	1	16	s.	J. L. Melvin.
Corry	Erie	1,430	25	28.6	+0.1	56	4	4	29	34	2.34	−1.28	0.60	11.2	12	14	4	13	w.	Ass'd Gas & Electric Co.
Coudersport	Potter	1,665	11	26.0	......	54	5	−5	29	38	2.29	−0.24	0.50	16.8	15	6	4	21	nw.	Philip R. Shaw
Dahoga	Elk	2,020	6	27.4	......	51	5	0	29	36	1.38	....	0.50	11.0	5	3	6	22	w	U. S. Forest Service.
Derry	Westmoreland	1,172	41	34.1	+2.0	59	4†	9	28†	32	1.28	−2.02	0.24	7.5	11	7	9	15	w.	Ted R. Wineman.
Donora	Washington	762	12	35.6	−0.5	58	4	11	28	26	1.14	−1.23	0.26	1.5	9	1	3	27	w.	Am. Steel & Wire Co.
Ebensburg	Cambria	2,000	21	28.6	−0.3	50	5	4	28	27	1.81	−1.17	0.35	7.5	14	6	12	13	w.	D. H. Jones.
Franklin	Venango	957	64	30.2	+0.8	54	4†	7	29	28	1.18	−2.00	0.30	11.5	14	4	0	27	w.	Arthur M. Fuller.
Greensburg	Westmoreland	1,150	29	33.2	+0.3	56	4	10	28	33	1.36	−1.69	0.24	2.9	13	3	9	19	w.	Westmoreland Water Co.
Greenville	Mercer	950	42	31.6	+1.3	54	4	9	31	29	1.51	−1.39	0.50	7.9	16	7	11	13	......	Charles P. Clarke.
Grove City	Mercer	1,256	31	31.0	+1.0	58	3	5	28	26	1.21	−1.89	0.25	3.0	10	5	10	16	w.	Prof. H. W. Harmon.
Irwin	Westmoreland	1,100	41	33.2	+0.8	58	5	8	28	34	1.43	−1.46	0.23	T.	15	17	9	5	......	W. F. Gallagher.
Johnstown	Cambria	1,184	56	33.2	+0.7	59	4	10	28	30	1.72	−2.05	0.21	8.2	17	6	6	19	sw.	Robert Tross.
Lycippus	Westmoreland	1,420	46	32.5	0.0	51	5	8	28	26	1.95	−1.60	0.50	3.5	12	3	7	21	w.	Westmoreland Water Co.
Meadville	Crawford	1.080	44	29.3	+0.2	56	4	3	30	27	1.27	−1.91	0.43	6.5	11	1	1	29	sw.	Paul F. Cox
Midland	Beaver	691	1	33.6	......	55	5	10	28	25	1.22	....	0.69	1.0	11	4	8	19	nw.	Perry P. Campbell
New Castle	Lawrence	808	58	32.7	+1.9	56	4	9	31	29	1.25	−1.45	0.41	6.6	16	2	8	21	nw.	New Castle Water Co.
Newell	Fayette	800	18	33.1	−2.0	57	4	10	27	29	1.33	−1.24	0.26	3.8	7	4	9	18	sw.	Gen. Chemical Co.
Pittsburgh	Allegheny	1,248	96	32.8	−1.4	56	4	8	28	30	0.89	−1.97	0.23	2.3	12	3	9	19	sw.	U. S. Weather Bureau.
Ridgway	Elk	1,350	31	28.8	+0.9	55	5	−3	29	34	1.71	−2.06	0.49	6.1	14	0	8	23	s.	West Penn. Power Co.
Sharon	Mercer	940	25	31.0	+0.1	55	4	8	27†	28	1.34	−1.04	0.63	4.3	11	1	10	20	sw.	Harry H. Gerber.
Somerset	Somerset	2,190	71	27.8	−1.1	55	4	−5	29	40	1.73	−2.35	0.41	11.1	14	3	9	19	sw.	D. L. Grove.
Springs	Somerset	2,680	21	28.3	−1.3	50	4	2	28	26	2.65	−0.58	1.00	13.0	11	5	6	20	w.	J. D. Beachy.
Uniontown	Fayette	1,100	50	35.3	+0.4	61	4†	11	28	30	1.45	−1.98	0.25	3.5	12	9	5	17	sw.	Wm. W. Marsteller.
Unity Reservoir	Westmoreland	1,240	29	31.9	......	57	5	7	28	32	1.44	−2.18	0.22	2.2	14	0	5	26	nw.	Westmoreland Water Co.
Vandergrift	Westmoreland	825	24	33.4	+0.1	60	3	11	28	31	1.06	−1.92	0.40	......	7	6	22	3	......	Carnegie-Illinois Steel Corp
Warren	Warren	1,180	49	30.1	+1.6	55	4	3	29	31	2.14	−0.94	0.65	11.9	21	2	2	27	w.	Harold L. Johnson
Waynesburg	Greene	1,035	7	34.0	......	57	4	9	28	37	1.57	....	0.40	4.0	8	3	12	16	w.	Thomas S. Knox.
Lake Drainage.																				
Erie	Erie	670	66	32.6	+0.7	55	5	13	27	26	1.98	−0.90	0.60	10.2	16	1	3	27	sw.	U. S. Weather Bureau.
For the State¶	....	......	51	32.2	+0.9	64	5	−5	29	40	2.56	−0.54	2.50	4.7	11	8	7	16	w.	

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. † On other dates also. * Incomplete. ¶ From all available records.

Reference letters, a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. T. indicates precipitation less than .01 inch, rain or melted snow.

Post-Office addresses are as follows: of Lycippus, Greensburg; of Neshaminy Falls, Oakford; of Sharon, Farrell; of Shawmont, Manayunk; of Dahoga, Kane, RFD; of Springs, Grantsville, Md.

W. B. O. Philadelphia-2-24-39-1050.

Daily Precipitation for December, 1938

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage																																	
Allentown‖‖	Lehigh				.39	.10	.80			.07	.35	T.	.05	.06					T.	T.			T.		T.			.83				.02	2.67
Altoona	Juniata	T.			.33	.13	T.			.06	.40		.14	T.								.20		.20		.10	.25	.10					1.91
Ansonia‖‖	W. Br. Susq			.04	.34	T.	.27			.02	.66		.02			T.	T.		T.				.02	.01	.06	.03		.18	T.	T.		T.	1.65
Ardmore‡	Lower Del			.35	.18	1.31	.03			.16	.29		.02					T.	T			.02		.04			.51	1.06				T.	3.97
Arendtsville‖‖	Lower Susq				.44	.83	.71				.82		.01					T.				T.	.10		.07	.05		1.15					4.18
Baker's Summit	Juniata				.36		.23			.08	.91		.13										.12		.03			.60					2.46
Bald Eagle ‡	Middle Susq			.28		.16				.20	.50											.07	.06	.03	.05	.07	.31	.21					2.00
Bedford	Juniata		T.	T.	.23	.18	.05		T.	.37	.87		.06							T.		T.	T.	T.			.80	T.					2.56
Bellefonte	W. Br. Susq			.22		.41	.05		T.	.06	1.24		.01			T.						T.	T.	.02	.04	.02	.02	.28	T.			.01	2.38
Berwindale‡	W. Br. Susq			.31						.05			.09									.13	.04	.18	.04	.06	.27	.12			.05	.03	1.37
Bethlehem	Lehigh				.44	.32	.76	T.		.15	.24		.13					T.	.01			T.		T.		T.		.74				.03	2.82
Big Knob‖‖	Middle Susq				.30	T.	.53		.02		1.33		.04	T.				T.				T.	.01					.89				T.	3.12
Bloomsburg	Susquehanna				.45	.55	.65		T.	T.	1.40		T.					.05	T.			T.		.02	T.			.40				.02	3.54
Bloserville	Lower Susq				.65	.62	T.		.05		.90							T.				T.	T.				.36						2.58
Buffalo Mills‖‖	Potomac				.20		.10				.57		.06													.15		.62					1.70
Carlisle	Lower Susq			T.	.41	1.18	.43	.05		T.	.66		T.						T.			T.		.15	T.	.05	.40	.68					4.01
Carter Camp‡	W. Br. Susq			.43	.03	.24			.03	.08	.19											.19		.05	.01	.02	.21	.15					1.63
Center Hall	Susquehanna			.61		.23			.01		1.63		.12									.08			.30	.12		.38				.08	3.56
Chambersburg‖‖	Potomac				.28	.35	.51			.04	1.08		.02									T.	.03		.07	.01		.79					3.18
Clearfield	W. Br. Susq			.02	.24		.09	.04			.10		.04										.05		.07	.02		.26				.01	0.94
Coatesville	Lower Del			.17	.35	1.44	.05			.11	.46		.01									.10				T.	.13	.89					3.71
Colebrook	Lower Susq		T.	.10	.40	1.25	.27			.02	.40		.04					T.	T.			T.	T.	.09		.02	.08	.64					3.31
Conshohocken	Schuylkill				.20	.22	.61			.14	.18		.03						T.			T.	T.	.01		T.		.69		T.			2.08
Doylestown	Lower Del				.31	.43	1.23			.17	.23		.08						.03					T.				1.09				T.	3.57
Driftwood‡	W. Br. Susq			.25	.01	.17				.13	.03											.18		.02			.33	.10					1.22
Du Bois	W. Br. Susq		T.	T.	.38	.01	.05			.08	.03		.04									.08	.02	T.	.06	.02		.31		T.	T.	.02	1.10
Emporium	W. Br. Susq				.47		.07		.04	.12												.10	.10		.05	.05		.43					1.43
English Center‡	W. Br. Susq			.36		.19	.06			.09	.65											.12				.03	.18	.24					1.92
Ephrata	Lower Susq			.02	.35	.63	.43			.03	.41		.03					T.	.02			T.		.07		T.		.58					2.57
Forest City‖‖	N. Br. Susq		.04	.12	T.	.80	1.48			T.	.98	.21	T.			T.						.06	.09	T.	.06		T.	.53	T.	T.	T.	T.	4.37
Fredericksville‖‖	Schuylkill				.50	.06	1.47			.95	.72	.13	.02	.04				T.	T.	T.		T.	T.	T.				.94				T.	4.83
Freeland‖‖	Lehigh				.77	.55	1.22			.02	1.48	.11		T.	T.	T.		T.	.02	T.	T.	T.	.70	.01	.01	T.		.55	T.		T.	.05	5.49
Galeton	N. Br. Susq			.15	.27	.17	.03	T.	T.	.07	.25		.02		T.			.02		T.		.16		.07	T.		T.	.31	T		T.	.02	1.54
George School	Lower Del				.44	.22	.53			.15	.16		.03						.02	T.				T.				1.12				T.	2.67
Gettysburg	Potomac			.02	.45	.88	.36			.05	.58		T.					.01					.01	.05		T.	.05	.98					3.44
Girardville‖‖	Lower Susq			.99	*	2.00				.78			.01					.04				.10		.02	.05		.68	.02				.15	4.84
Gordon	Lower Susq				.98	1.20	.63				.94		.06					.03				.04			.05	.04		.86					4.83
Gouldsboro‖‖	Lehigh				.45	.65	.90			.18	.90												.10					.50					3.68
Graterford	Schuylkill				.23	.48	.54			.14	.63		.03									T.						.53					2.58
Hanover	Lower Susq				.41	1.40	.50			.02	.61		.04					.01	T.			T.	T.	.08	T.	.02	T.	.61					3.70
Harrisburg***	Lower Susq			.61	.02	1.36	T.			.43	.21		.03				T.	.01				T.		.07		.02	.62	.27					3.65
Hawley‖‖	Upper Del			.05	.42	.13	1.05			.06	.58	.16			T.	T.			.01	T.		.03	.10	T.	.11	T.	T.	.61	T.			.04	3.35
Holl sterville‖‖	Upper Del			.05	.42	.15	1.28	.02		.04	.91	.33	T.	.02		.01						.14		.10		.05		.79	T.			.03	4.34
Holtwood‖‖	Lower Susq				.32	.25	.67			.02	.22		.01					T.	T.			T.	T		.06	T.		.57					2.12
Huntingdon	Juniata		T.		*	.50	.05			.04	1.30		.06									T.	.10	.09	T.		.05	.82					3.01
Huntsdale‡	Lower Susq			.34	.04	1.49	.01			.68	.34								.04	.03				.06			.80	.19					4.02
Hyndman‖‖	Potomac				.22		.12	.02			.71			T.								T.	T.	.07		.05		.74					1.93
Kylertown	W. Br. Susq		.01	.01	.14	.14	.01	.01	T.	T.	.47		.05	T.		T.		T.				.06	.02	.02	.02	.02	.09	.26	T.		T.	.01	1.34
Lakeville‖‖	Upper Del			.06	.22	.06	1.01	T.		.07	.80	.22	.02	T.	.01	.01			.02			.05	.10		.12	.01	.01	.67	.01			.05	3.52
Lancaster	Lower Susq				.40	.30	.86			.10	.29		.03					.03	.02					.05		T.		.70					2.78
Lansford‖‖	Lehigh				*	1.42	1.18			.02	.88	.02	T.			T.		T.	.02			T.	.08		.01	T.		1.00	.01			.03	4.67
Lawrenceville	N. Br. Susq			.10	.10	.10	.05		T.	T.	.50				T.	T.				T.		.20	.05	.05				T.	.05			T.	1.20
Lebanon‖‖	Lower Susq				1.03	.76	.96			.43	.03	.04	T.	T			T.		.03		T.	.01		.05	T.			.80			T.		4.14
Lehighton‖‖	Lehigh				1.20	.37	1.14			T.	.80	.30	.09	.21		T.			T.	T.		T.	T.		T.	T.		.94				.12	5.17
Lewistown	Middle Susq				*	.20	.10	T.	T.		.90		.02									T.		.04			*	1.00					2.26
Lock Haven	W. Br. Susq			.05	.25	.35	.09		.01		1.13											.02	.08	.02	.12			.42					2.54
Marcus Hook	Lower Del				.37	*	1.25			.18	.34		T.						T.				T.	.04				1.20			T.		3.38
Matamoras‖‖	Upper Del				.51	.20	1.72	.08		.20	.36	.04											.21		.12			.46				.15	4.05
Mauch Chunk	Lehigh				.88	.78	1.05			.18	1.04		.06			T.		T.	T.			T.		T.	T.			.87				T.	4.86
Millersburg‡	Lower Susq			.48		1.25	.02			.44	.46											.03		.03		.40				.04	.09		§
Millville‡	N. Br. Susq			.52	.01	.87	.07			.11	1.42											.06		.04			.06	.05					3.21
Montrose	N. Br. Susq				.55	.18	.82			.08	1.70		T.	T.		T.		.07				.12	T.	.04	.04		.30					.02	3.92
Morris Run	N. Br. Susq			T.	.32	.08	.31		T.		.97	T.				.05		.03			.02	.21		.03				.40					2.42
Mount Pocono	Upper Del			.60	.40	.25	.90				T.			T.		T.						.10	T.				T.	.70				.15	3.10
Mt. Union‡	Middle Susq			.25	.03	.23				.40	1.43		.13									.04	.18	.10		.05	.90	.11					3.91
Muncy Valley	W. Br. Susq			T	1.32	.47			T.		1.58		T.					T.	T.			.07		T				.86					4.30
Neshaminy Falls‡	Lower Del			.08	.33	.67	.09			.18	.25		.05						.02	T.		T.		.01			.27	.83				T.	2.78
New Bloomfield	Juniata			.01	.35	.76	.11		.02		.65		.03					T.				T.		T.		T	T.	1.07				T.	3.00
New Park	Lower Del			.49		1.01				.40			.04											T.		T.	1.00						2.94
Newport‖‖	Juniata				.38	.30	.50			T.	.78	T.	.03	T.				T.	T			T	T.		.06	.02	T.	.92	T.			T.	2.99
New Tripoli	Schuylkill				.79	.90	.65			.25	.75		.04						T.			T.		T.				.97				T.	4.35
Orwigsburg	Schuylkill				.70	*	1.60				.97		.05						.01				.03		.07			.97				.05	4.45
Palmerton‡	Lehigh			.77	.07	2.22	.08			.43	.41		.02		T.			T				T.		T.			.44	.39				.03	4.86
Paupack‖‖	Upper Del			.15	.40	.20	.85			.10	.70	.20											.10		.08			.75				.06	3.59
Philadelphia***	Lower Del			.19	.05	.85	.04			.20	.12		.02						T.	T.		T.		.02			.29	.44		T.		T.	2.22
Phila. Navy Yard‡	Lower Del			.40	.27	1.00	T.						.04						T.	T.		T.		.01			.50	.34		.01			2.57
Phila.-P'nt Breeze‡	Lower Del				.26	.26	.81		T.	.22	.16		.03					T.	T.	T				.02			.38	.53		T			2.67
Phoenixville	Schuylkill				.31	.29	.67			.12	.60		.06					T.	.02	T.		T.	T.	T.				1.12				T.	3.19
Pine Grove	Lower Susq				1.00	*	1.95				.85		.08					*	.03			*	.21	.03	T.		T.	.82				.02	4.99
Pleasant Mt.	Upper Del				*	*	2.49		1.03		.35							.12				*	.27	.26	.11		.42					.18	5.23
Port Clinton	Schuylkill				.80	.69	*	1.21			.75		*	.08								T.			.05	T.	T.	.81					4.39
Pottstown‖‖	Schuylkill		T.	.15	.10	.85	.04			.15	.30		T.					.02	T.			.01		T.			.10	.18				T.	1.90
Pottsville‖‖	Schuylkill				1.71		1.20		T.		.67	.10	T.				T.		.03		T.		.07		.10	T.		.94	T.		.03		4.85
Quakertown	Lower Del				.32	.56	.72			.11	.22		.10					T.	.02									.83					2.88
Reading***	Schuylkill		T.	.16	.08	.88	.03			.12	.33		.06					T.	.02			.01		T.			.11	.18				T.	1.98
Renovo‖‖	W. Br. Susq			.04	.27		.17	.06		.02	.52		.02										.15	T.	.03			.50	.05				1.83
Retreat	N. Br. Susq				.50	.99	.64			.34	1.00							T.				.18		.08			.05	.06				T.	3.84
Scranton***	N. Br. Susq	T.	T.	.47	.02	1.37	.14			.12	.95		.02	T.	T.	T.				T	T.	.16	T.	.02	.04	T.	.18	.02	T.	T.	T.	T.	3.51
Selingsgrove	Lower Susq				.55	.50	.55			.04	1.20		.05					.09				T.	.08	.05	.15			.12				.02	3.40
Sellersville‡	Lower Del			.18	.09	1.11	.04			.13	.21		.13														.36	.40					2.65
Shade Gap‡	Middle Susq			.29	.02	.35				.71	1.00													.05		.06	*			.70			3.18
Shawmont	Schuylkill				.44	.28	.92			.16	.26		.02						T.					.01				1.54					3.63

Continued on page 69

Daily Precipitation for December, 1938—Continued from page 68

Stations	Drainage Basin	Day of month																															Total
		1	2	.	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Shippeusburg	Lower Susq			T.	.35	.56	.48		.04	.05	.85		.05					.01					.03	.03	T.	.01	T.	.78					3.24
State College	W. Br. Susq		T.	T.	.29	.23	.05	T.		.06	1.09		.03	T.		T.						T.		.05	T.	.11	.04	.54				.02	2.51
Stroudsburg‖	Upper Del				.60	.40	1.40			.24	.50								.05			.03						.87					4.09
Sunbury‖	Lower Susq				.49	.18	.80	T.		T.	1.17	.05	.07	.02				T.	.04			T.	.07		.06	02		.72	.02			.05	3.76
Susquehanna‖	N. Br. Susq			.03	.52	.13	1 15	T.			.80	.60		T.		T.	T.		.02			T.	.09		.04	.02		.17			.01	.01	3.59
Towanda	N. Br. Susq	T.		.07	.40	.26	.35	T.	T.	T.	1.63		.01	T.	.01	T.		.01		T.	T.	.12	.01	.02	T.	T.	T.	.18	T.		T.	T.	8.07
Weikert	Lower Susq		.20	.90							1.24											.10	.05		.05			1.34					3.88
Wellsboro	N. Br. Susq			.03	.29	.13	T.		.01	.05	.45		T.		T.			T.		T.		.12	T.	.04	T.	T.		.25				T.	1.37
Wernersville‖ [nr]	Schuylkill																																
West Chester	Lower Del			T.	.36	.94	.04			.10	.19		.01						T.				.03	.03			*	1.24					2.94
Westgrove‖	Lower Del			.46	.14		.95				.38	.07													.06			1.07					3.13
Wilkes-Barre§	N. Br. Susq			.03	.41	1 21	.58			.11	1.33		.01	T.	T.	.01		T.		T.		.11	.01	T.	.01		T	.04	T.	T.	.01	.01	3.88
Wilkes-Barre‖ ¶	N. Br. Susq			T.	.45	.47	1.30			.02	1 06	.19		.03		T.			T.			T.	.02	T.	T.		T.	.04				.04	3.62
Williamsport‖	W. Br. Susq			.01	.32	.02	.54			.03	1.19	.02	.01	T.				.01	.01		T.	.03	.04		.02	T.		.78	T.			T.	3.03
Williamstown	Lower Susq				.64	1.07	.55			T.	.57		.03					T.		T.		T.	.08	.03				.60				T.	3.57
York	Lower Susq				.29	.57	.58			.02	.33		.02					T.	T.					.12		.03	T.	.66					2.62
York Haven‖	Lower Susq				.48	.46	1.12				.40		.04												.08	.02		.63					3.23
Ziousville (near)	Schuylkill				2.50	.51	.70		.20		.45		.11					T.	.03	T.		T.		T.				.08				T.	4.58
Trenton, N. J***	Lower Del			.05	.19	.70	.06			.14	.09		.02					T.	.01	T.		T.		T.			.29	.56				T.	2.11
Ohio Drainage																																	
Acmetonia‖	Allegheny				.31			.05		.05	.06		.11	T.								.05	.09	.03	.22	.07	.04	.37	T.		T.	02	1.47
Beaver Falls‖	Beaver			T.	.16		T.	.02		T	T.	T.	.03	T.			T.	T.				T.	.06	.02	.11	04	.01	.41	.01		T.	T.	0.87
Blairsville‖	Allegheny			.02	.16		.07	.03		.05	.11	.06	.23	T.	T.						T.	.02	.09		.16	.12	.09	.14	.05			T.	1.40
Bradford	Allegheny			.06	.48		.04	.08	.03	T.	.23			T.	T.	T.		T.				.24	.06	.06	T.			.35	.02	T.	.03	.08	1.76
Brookville‖	Allegheny			T.	.44		.02	.08		.10	.11	T.	.03	T.	T.		T.				T.	.11	.05	.04	.09	.06		.63	.03			.04	1.83
Buckstown‡	Allegheny			.26	.06	.15				.12	.08		.24									.09	.03	.08	.02	.06	.12						§
Butler	Ohio			.40		.01	.03		.05		T.			T.								.05		.07	.12	.06	.52						1.31
Chambersville	Allegheny				.31	.01	.10	T	.08	.08	.02		.07									.08	.03	.14	.06	.09	.03	.37				.01	1.48
Clairton‡	Monongahela						.02		.04	.08	T.		.11	T.						T.	T	.02	T.	.11	.07	T.	.37	T.		T.			0.82
Clarion‖	Allegheny			.05	.53		.02	.03		.17	.13	.02	.01					.01	.05			.06	.10	.06	.20	.06	.02	.80	.01		.06	.04	2.43
Claysville	Ohio			.18	.07	.01	.02		.06	.09	T		.14									.01	T.	.15	.02	.20	.28	.30			T.		1.53
Confluence‖	Youghiogheny				.38		.03	T.		.09	.03		T.	.10								T.	.09	T.	.16	.20	T.	.25	T.				1.33
Connellsville‖	Monongahela				.11		T.	T.		.01	.07		.22	T.					T.			T.	.02	T.	.13	.21		.11	T.				0.88
Corry	Allegheny		T.	*	.46			.19		*	.19								T			.49			T.	.19		.60	.07	*	.07	.08	2.34
Coudersport	Allegheny			.24	.42	.01	.08	.02	.02	.06	.25		T.	T.	T.	.12						.35	T.	.06				.50	.12		.01	.03	2.29
Dahoga	Allegheny	T.		T.	.39			T.	T.	.05	T.		T.				T.					.50	.11		T.			.33			T.	T.	1.38
Derry	Conemaugh		T.		T.	.12	.05		.07	.08			.24	T.								.07		.19	.03	.10	.14	.19					1.28
Donora‖	Monongahela		T.	.24		T.	T.		.06	.10	T.		.17									T.	T.	.15	.09	.04	.26	.03		T.	T.	T.	1.14
Dunlo‡	Allegheny			.29	.01	.14	.10			.11	.08	.01	.24									.20	.05	.13	.04	.08	.55	.06					2.09
Ebensburg	Conemaugh	T.	T.		.35	.07	.18		.01	.09	.01		.17									.16	.05		.09	.20	.12	.25				.06	1 81
Franklin‖	Allegheny			.03	.28		T.	.06	T.	T.	.07	T.	.05	T.				T.	.02			.08	.03	.03	.03	.05		.30	T.		.05	.10	1.18
Greensboro‖	Monongahela				.21		01	.01		.07	.18		.05	.02	T.							T.	.01	T.	.16	.24	.04	.42	.06			T.	1.48
Greeusburg	Youghiogheny		T.	.12	.12	T.	.05	T.	.07	.24	T.		.18	T.		T.		T				.04	.01	.12	.02	.08	.23	.08	T.		T.	T.	1.36
Greeuville	Beaver		.01	.20	.05	T.	.05	.02		.05	.08							T.				.12	.11	.08	.03	.05	T.	.50	.02		.02	.12	1.51
Grove City	Beaver			.22		.10	.17		T.	.07								.25		T.		.10	.05	.08	.12		T.		T.	T.	.05		1.21
Irwiu	Monongahela		.02	.15	.07	.03	.04		.08	.20	T.		.14									.02	.02	.14	.03	.08	.23	.18					1.43
Johnstown	Conemaugh		T.	.13	.12	.06	.09	.02	.03	.13	.02		.26									.18	.03	.18	.03	.09	.21	.11				.03	1.72
Kregar‖	Youghiogheny			.36		.03	.07		.04	.04	.02	.28	T	T.		T.					.04	.10	T.	.21	.17	T.	.73	.03			T.		2.12
Lake Lynn‖	Monongahela				.18		.36			.10	.13		.04	.04									.01		.15	.22	.03	.26	.04				1.56
Linesville‖	Beaver			.18	.26		.18	.06	T.		.15		T.					.02				.13	.12	.10	T.	.09		.41	.13		.02	.09	1.94
Lock No 2‖	Ohio				.27			.08		.05	.09	.02	.08									.01	.01	.04	.07	.08	T.	.65	T.				1.45
Lock No. 4‖	Monongahela			T.	.26		.01	.02	T.	.05	.11	T.	.22	.05								T.	.02	T.	.19	.11	T.	.26	.02		.01		1.33
Lock No. 5‖	Allegheny			T.	.29		.01	.06		.10	.06	.30	.06	01								.01	.10		.15	.07	.01	.44	.03		T.	.01	1.71
Lycippus	Conemaugh		T.	T.	.50	T.	.07		.09	.12	T.		.37									.07	.02	.22	.03	.12	.04	.30					1.95
Marienville‡	Allegheny			.49			.05	.03	.10	.17												.21	.02	.15	.05	.03	.40	.16					1.88
McKeesport‖	Monongahela				.39			T.		.01	.03		.11									T.	.01	.02	.08	.06	T.	.36			T.	T.	1.07
Meadville‖	Allegheny			.06	.22		T.	.04	.03		.14	T.	.08	T.	T.	T.	T.	T.		T.	T.	.12	.08	T.				.43	.05		T.	.07	1.27
Mercer‡	Ohio			.30						.21												.12	.05	.16			.56	.06					1.46
Midland	Ohio		.01	.27			.01	.04	.01	.05			.06									T.	T.	.04		.04	.16	.53		T.		T	1.22
Mosgrove‖	Allegheny			T.	.36		.07	.09		.12	.14	.03	.02									.03	.09		.15	.10	T.	.50	T.		T.		1.76
Mount Lebanon	Ohio		T.	.29		T.	.03		.05	.10			.10	T.		T.						T.		.12	T.	.11	.40	.08					1.28
Natrona‖	Allegheny			T	.28		T.	.03		.08	.05	.01	.10	T.	T.							.01	.11	T.	.18	.07	.05	.46	.01			.01	1.45
New Castle	Beaver			T	.21	.01	.02	.01	.02	.05	.02	.04								T.		.10	.02	.13	.01	.03	.15	.41	T.	T.	T.	.02	1.25
Newell‖	Monongahela				.26			.04		.20	.03		.20											.12			.48						1.33
Parkers Landing‖	Allegheny			T.	.32		T.	.08		.04	.03		.02	T.	T.	T.	T.	.03				.03	.04	.04	.06	.12		.65	.03	T.	T.	.04	1.53
Pennline‖	Beaver			.15	.24		.18	.09	T.		.09		T.					T.				.15	.10	.14	T.	.06	T.	.51	.06	.01	T.	.08	1.86
Pittsburgh***	Ohio		T.	.23		T.	.03	T.	.05	.09	T.		.11	T.		T.					T	.02	.01	.14	.01	.04	.12	.04	T.	T	T.	T.	0.89
Punxsutawney‖	Allegheny			T.	.32		.01	.04		.07	.08		.02									.03	.02		.09	.03		.65	.10			T.	1.46
Ridgway‖	Allegheny			.10	.49		T.	.06	T.	.03	.13		.04	T.	T.		T.					.12	.10	.03	.06	.03	T.	.46	T.		.03	.03	1.71
Rochester‡	Ohio			.25			.04			.11												.06		.14		.02	.61	.04					1.27
Saltsburg‖	Conemaugh			T.	.28		.01	.04		T.	.24	T.	.16		T.						T.	T.	.11	T.	.16	.09	.01	.33	.01			T.	1.44
Seward‖	Conemaugh				.22		.04	.02		.03	.07	.02	.14	.01								T.	.17		.15	.05	T.	.76					1.68
Sharou‖	Beaver			.25			.05	.05				.06						.04				.04	.05	.10				.63	T.		.02	.05	1.34
Sharpsville‖	Beaver			.08	.12		.02	.03			.08		T.					T.				.02	.07	.05	.03	.02		.52			.01	.08	1.13
Smethport‖	Allegheny			T.	.48	.06	T.		T.	T.	.30	T.		T.								.13	.18	.04	.02	T.		.48	.02		.02	.03	1.76
Somerset	Youghiogheny				.41	.04	.06	T.	.06	.04	.01		.15									12	.04	.16	.03	.16	.18	.27					1.73
Springs	Youghiogheny			.26		.14	.13	.06		.08	.08		.14											.10	.07	.59	1.00	T.					2.65
Titusville‡	Allegheny			.31			.04	.06														.12	.05	.29			.52	.19					1.58
Union City‡	Allegheny			.39			.13	.09		.21								.07			.03	.27	.03	.10	.07	.03			.38				§
Uniontown	Monongahela			.15	.20	.02	.63		.04	.14	T.		.12									T.		.14	.08	.25	.22	.06					1.45
Unity Reservoir	Youghiogheny			.18	.05	.02	.05	T.	.06	.20	T.		.19									.02	.01	.22	.05	.06	.22	.11					1.44
Vandergrift‡	Conemaugh			.30		T.	T.			.10	T.										T.		.04	.14	T	.07	.40	T.			.01		1.06
Warren‖	Allegheny			.05	.30		.01	.07	.03	T.	.22	T.	.02	T.	T.	.01	.02	T.	.05			.20	.15	.07	.04	.03	.01	.65	.09	.01	.05	.06	2.14
Waynesburg	Monongahela			.32					.11	.21			.15									.10		.12		.16	.40						1.57
Westford‖	Beaver		.16	.22		.15	.08	.02			.09	*		.02				T.			.18	.26		.31			.42			.05	.10	.05	2.11
West Newton‖	Youghiogheny				.33		T.	.02		.06	.13		.16										.01		.17	.07		.30					1.25
Lake Drainage.																																	
Erie***	Lake Erie	T.	.07	.14		.14	.10	.02		.23	T.	.01	.04	T.	T.	T.		.02	T.	T.		.27	T.	.01	.04	T.	.48	.19	T.	.02	.12	.03	1.93
Raymond‡	Genesee																																

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. * Included in next measurement. ‡ Mdt. to mdt. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Bloserville, Newville; of Acmetonia, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airways Station. ¶ River Station.

Daily Temperatures for December, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum	40	30	35	56	45	47	45	48	42	43	45	42	30	40	32	30	38	40	30	34	33	30	26	35	31	30	37	20	28	30	38	36.5
	Minimum	29	20	23	31	32	30	31	30	30	35	31	29	20	19	17	10	22	21	15	13	24	25	15	25	28	12	16	8	3	15	11	21.8
Bedford	Maximum	46	36	36	57	51	45	50	47	43	43	49	45	35	41	39	31	38	38	35	37	36	31	30	38	38	37	40	22	29	32	41	39.4
	Minimum	30	22	24	34	37	37	35	28	29	38	28	35	27	26	21	10	23	27	15	13	26	27	20	30	30	18	22	10	2	24	20	24.8
Bethlehem	Maximum	43	36	37	54	54	51	51	51	50	46	45	48	41	44	43	39	37	37	38	38	37	32	30	34	41	38	46	33	33	32	36	41.3
	Minimum	32	16	20	34	36	41	28	33	44	40	36	36	30	26	23	20	29	33	33	28	28	27	22	26	30	24	33	17	17	26	21	29.1
Bloomsburg	Maximum	41	34	42	57	52	52	50	46	49	48	41	43	39	44	46	31	34	36	38	40	37	37	32	31	42	37	51	30	32	35	33	40.7
	Minimum	28	6	25	36	30	39	37	28	31	38	33	30	28	24	20	12	26	30	30	29	23	23	16	25	26	17	26	5	10	23	4	24.5
Brookville‡	Maximum	55	46	55	61	54	58	59	51	54	59	56	60	51	49	43	40	34	32	35	32	44	33	32	33	35	38	40	20	38	27	36	43.9
	Minimum	16	21	22	30	28	30	33	22	27	29	30	28	26	20	19	5	7	18	25	14	15	24	12	23	26	12	15	7	−1	12	6	19.4
Butler	Maximum	43	41	42	58	53	53	45	42	42	42	48	45	36	36	36	40	40	40	37	37	38	34	32	35	36	36	40	18	35	36	28	39.5
	Minimum	24	26	33	36	34	35	34	25	34	36	34	32	27	26	19	10	19	19	16	16	31	24	18	32	30	31	18	9	9	20	11	24.8
Carlisle	Maximum	47	35	32	39	47	47	54	46	47	47	44	50	40	47	44	37	38	43	42	40	36	40	32	36	43	32	42	31	32	34	40	40.8
	Minimum	32	18	23	31	32	31	34	29	31	42	29	32	27	18	22	14	25	32	20	29	25	25	20	25	28	15	31	15	10	21	20	25.4
Chambersburg	Maximum	46	33	33	54	44	47	52	42	46	47	45	49	37	49	40	39	41	46	42	39	40	39	30	39	36	34	40	28	34	33	42	40.8
	Minimum	30	22	23	31	30	40	35	30	34	41	34	36	28	26	23	15	22	31	23	18	26	30	26	26	30	20	24	13	12	26	21	26.6
Chambersville	Maximum	40	37	44	57	56	54	47	43	43	44	45	42	33	40	36	41	44	40	34	39	36	31	36	37	33	36	45	25	42	39	35	40.5
	Minimum	26	20	27	38	39	32	32	30	31	34	29	30	24	23	15	10	26	21	16	11	27	22	14	28	26	15	14	7	7	19	9	22 6
Claysville	Maximum	42	39	52	56	56	49	49	46	43	42	50	46	34	41	38	45	43	40	36	42	40	34	37	39	32	37	45	21	37	36	37	41.4
	Minimum	21	26	35	40	39	34	34	29	33	35	30	31	24	25	13	10	29	24	14	15	27	22	23	29	28	13	16	8	10	21	16	24.3
Clearfield	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coatesville	Maximum	39	30	45	57	56	52	50	55	50	47	45	45	46	45	38	32	37	38	37	36	39	33	28	40	40	37	52	28	34	34	36	41.3
	Minimum	29	17	19	36	32	40	32	28	42	39	31	33	26	22	22	16	28	32	25	23	23	23	19	25	26	21	27	15	12	22	20	26.0
Corry	Maximum	35	35	40	56	53	46	35	42	40	39	45	38	31	37	27	41	35	33	52	37	32	34	33	34	34	35	38	19	30	27	25	36.7
	Minimum	25	19	25	35	39	30	29	29	25	30	28	24	21	22	15	7	24	24	22	21	25	15	10	25	18	15	6	6	4	13	8	20.6
Coudersport	Maximum	36	30	37	51	54	47	38	40	45	43	38	36	30	30	28	35	37	36	32	31	32	24	28	30	28	32	38	21	33	29	25	34.6
	Minimum	22	15	20	32	27	30	30	21	27	31	26	23	21	19	5	0	18	25	21	20	22	14	2	14	18	14	10	5	−5	14	3	17.5
Dahoga	Maximum	33	30	35	49	51	50	35	37	41	40	40	37	29	30	31	35	35	33	30	33	30	29	31	35	31	29	37	27	36	34	26	34.8
	Minimum	25	17	23	35	37	30	29	26	29	31	27	25	21	18	14	7	20	25	22	13	24	15	17	21	21	19	9	3	0	14	6	20.1
Donora*	Maximum	41	41	55	58	57	40	51	43	47	44	53	49	32	43	28	45	45	39	34	42	39	35	42	42	34	42	40	24	41	30	42	41.9
	Minimum	31	33	36	43	39	37	37	36	36	37	37	31	28	26	22	19	34	26	23	20	30	28	30	32	30	29	14	11	20	26	23	29.2
Ebensburg	Maximum	39	38	37	41	50	48	44	42	43	40	44	43	32	34	38	30	40	40	30	30	35	28	36	36	40	29	29	17	32	25	35	36.3
	Minimum	26	19	21	31	37	30	30	31	29	33	27	28	20	18	15	12	20	20	19	11	25	19	13	25	25	17	12	4	5	15	11	20.9
Emporium	Maximum	44	37	38	53	59	50	43	41	44	47	42	39	35	35	34	36	41	33	36	35	35	36	27	35	35	39	40	20	37	38	30	38 5
	Minimum	30	22	21	36	28	36	35	24	31	37	31	29	26	21	21	6	24	27	27	16	20	20	11	27	28	12	17	10	2	21	8	22.7
Ephrata	Maximum	40	32	41	49	56	56	52	53	52	49	45	48	39	46	38	36	37	42	38	40	39	36	28	36	42	38	44	29	33	34	38	41.5
	Minimum	29	20	25	37	34	42	35	31	40	42	32	33	27	24	23	16	28	33	27	24	25	27	21	27	29	21	29	17	15	24	25	27.8
Erie*	Maximum	37	36	50	54	55	40	39	47	42	41	44	40	32	36	26	42	38	33	34	37	34	31	36	36	34	38	39	20	31	28	32	37.5
	Minimum	28	27	34	42	39	36	35	37	35	36	35	31	28	22	20	19	32	31	30	28	31	20	22	31	32	26	13	14	15	18	16	27.8
Franklin‡	Maximum	37	33	48	54	54	38	40	42	42	38	47	37	33	36	29	38	39	31	30	36	35	30	36	34	35	40	36	21	35	26	36	37.0
	Minimum	28	27	21	32	34	34	36	27	29	30	31	33	27	27	19	10	13	29	21	20	21	24	19	23	28	20	21	8	7	17	10	23.4
Freeland	Maximum	38	25	36	51	51	51	42	44	43	43	37	40	33	37	32	30	35	36	31	30	27	24	20	31	33	29	41	21	23	26	30	34.5
	Minimum	24	10	12	36	38	33	32	33	39	32	29	29	22	20	14	12	20	28	25	21	21	15	13	20	21	20	19	8	10	19	14	22.2
George School	Maximum	42	34	42	55	58	59	53	55	49	51	45	47	45	46	40	36	41	40	37	40	35	37	31	37	45	39	54	38	35	37	37	43.2
	Minimum	31	14	15	42	33	41	34	32	46	42	31	32	25	24	21	17	30	34	32	23	24	25	19	26	25	19	36	18	15	26	31	27.8
Gettysburg	Maximum	45	35	34	44	46	47	52	46	47	49	45	51	41	47	43	37	36	44	40	40	41	38	35	42	36	36	44	31	33	34	40	41.3
	Minimum	32	22	24	32	33	40	35	30	36	42	32	37	26	24	24	17	23	31	25	23	27	30	24	28	29	22	30	15	12	22	23	27.4
Gordon	Maximum	39	34	37	54	53	51	49	47	49	47	44	45	38	42	40	32	38	35	33	34	33	32	28	32	37	36	44	29	28	32	34	38.9
	Minimum	27	10	27	35	31	38	34	31	38	38	29	28	20	15	19	9	17	30	29	25	19	24	13	23	26	11	29	13	6	16	9	23.2
Greensburg	Maximum	40	36	50	56	55	48	44	42	42	42	47	44	32	40	35	48	42	39	33	41	38	29	37	37	36	34	42	20	35	36	36	39.9
	Minimum	30	27	33	42	45	35	33	34	32	36	31	31	28	25	15	15	30	28	19	18	29	23	22	30	30	23	16	10	12	22	16	26.5
Greenville	Maximum	39	37	43	54	53	46	39	45	42	41	46	42	34	36	34	41	39	36	32	39	37	31	35	35	35	36	38	19	35	31	32	38.1
	Minimum	30	27	32	37	43	33	34	28	28	35	30	30	26	26	19	12	29	29	21	17	29	23	17	31	28	20	14	10	13	19	9	25.1
Grove City	Maximum	42	37	58	55	49	53	45	43	43	43	45	41	31	35	34	36	38	35	30	36	34	29	35	35	32	38	35	15	33	31	33	38.0
	Minimum	29	24	32	45	41	32	33	31	30	32	29	27	23	25	17	15	26	26	19	19	26	19	18	27	26	19	14	5	11	17	8	24.0
Harrisburg*	Maximum	42	29	40	40	51	48	52	46	50	49	42	47	37	46	36	34	35	39	39	38	41	37	27	37	41	37	41	25	32	34	40	39.7
	Minimum	29	22	24	33	37	40	38	35	36	37	36	34	28	27	23	19	27	32	31	26	30	25	23	26	29	25	22	17	18	26	25	28.5
Hawley	Maximum	39	31	37	54	45	43	45	48	45	45	39	40	36	39	37	34	34	35	34	36	29	27	24	34	37	33	44	28	26	27	29	36.6
	Minimum	25	3	13	31	26	35	34	23	32	33	26	26	22	18	12	5	17	28	28	13	15	15	10	19	18	6	27	13	2	14	8	19.3
Holtwood*	Maximum	39	30	51	48	53	48	52	50	50	49	44	49	39	46	36	37	36	41	38	38	41	37	30	38	41	42	46	27	36	37	39	41.5
	Minimum	28	24	29	36	37	41	35	36	41	37	35	37	27	27	25	21	32	28	28	28	29	25	25	30	28	25	25	19	18	23	25	29.2
Huntingdon	Maximum	42	30	37	58	49	46	53	44	44	45	44	44	34	44	36	35	41	39	38	36	37	35	28	36	39	34	38	25	28	32	40	39.1
	Minimum	24	18	27	34	32	39	34	32	31	39	31	29	30	25	20	9	20	25	28	12	26	28	18	28	23	15	22	14	3	23	12	24.2
Johnstown	Maximum	45	35	42	59	45	46	51	41	46	44	51	44	32	42	35	44	43	40	35	42	35	34	40	40	33	35	41	26	41	35	40	40.7
	Minimum	31	25	28	38	32	36	36	31	32	36	32	31	27	27	21	14	25	27	20	18	28	25	20	31	27	20	19	10	11	22	17	25.7
Kylertown*	Maximum	36	25	40	53	47	41	42	39	44	42	42	37	28	35	24	30	41	31	34	36	31	29	30	33	32	32	36	17	28	26	35	34.7
	Minimum	24	17	24	40	41	33	32	30	31	32	30	25	20	22	13	11	22	24	20	11	25	16	17	26	22	20	9	5	7	18	10	21.8
Lancaster	Maximum	42	32	41	51	56	56	54	53	53	50	46	49	47	46	41	37	36	43	39	39	41	39	31	36	41	39	48	35	34	34	38	42.8
	Minimum	23	16	24	34	33	40	31	36	36	41	28	30	26	19	22	13	22	32	22	19	19	25	19	25	24	16	30	15	12	16	18	24.4
Lawrenceville	Maximum	36	26	35	41	47	47	39	37	44	42	37	37	29	29	25	28	35	35	30	30	26	25	26	32	32	32	31	18	26	26	25	32.5
	Minimum	26	15	22	32	27	35	34	25	32	36	28	28	25	22	10	8	23	28	25	22	21	16	5	22	21	17	16	12	8	17	12	21.6
Lebanon‡	Maximum	40	30	46	43	55	48	52	48	51	46	42	54	41	45	31	35	36	40	38	40	38	34	28	35	40	42	45	26	32	34	37	40.4
	Minimum	19	20	20	24	35	41	35	32	35	42	31	32	25	20	23	15	17	30	28	23	26	25	21	24	22	20	23	16	14	18	23	25.1
Lewistown	Maximum	48	38	36	57	48	57	52	47	48	47	43	46	56	45	38	36	39	51	48	54	52	47	50	47	48	50	41	29	32	35	36	45.2
	Minimum	34	22	27	34	35	40	37	29	33	41	34	31	30	25	22	14	24	27	25	16	26	30	23	25	30	20	23	14	13	24	18	26.6
Lock Haven	Maximum	44	39	40	53	51	50	49	48	47	48	44	43	40	41	38	33	41	41	38	37	37	37	31	34	38	38	38	28	32	33	32	40.1
	Minimum	33	21	25	35	31	39	37	27	32	42	35	29	23	21	23	11	24	25	30	23	26	23	17	25	28	17	26	14	11	25	19	25.7
Marcus Hook*	Maximum	39	47	57	60	60	53	57	57	53	50	51	48	49	48	37	46	46	43	41	43	42	34	43	45	44	58	41	39	39	39	50	47.1
	Minimum	21	28	44	37	44	37	36	47	44	37	40	31	31	25	22	33	38	31	29	31	29	24	27	33	29	37	21	21	29	29	34	32.2
Meadville	Maximum	31	33	47	56	53	38	38	43	42	38	46	36	33	35	30	40	37	31	31	35	32	32	34	32	34	39	27	20	32	25	33	35.9
	Minimum	26	26	31	38	33	33	27	26	30	30	33	26	26	19	12	15	27	26	18	21	21	14	25	27	15	25	10	17	18	3	6	22.7
Midland	Maximum	41	40	50	54	55	51	46	45	44	43	46	41	34	39	35	40	44	39	36	40	40	35	38	39	37	39	41	22	40	35	39	40.9
	Minimum	28	30	34	39	38	35	37	29	32	38	32	30	28	25	21	15	29	27	18	19	29	26	26	26	26	21	18	10	15	21	15	26.4
Montrose	Maximum	38	29	35	51	49	49	39	42	43	44	36	33	32	38	24	30	35	42	33	27	26	28	21	21	31	29	38	19	23	25	25	33.4
	Minimum	19	4	16	33	36	24	31	31	32	31	26	23	22	19	10	7	20	28	25	23	18	13	9	18	18	16	17	7	6	11	9	19.4
Mount Pocono	Maximum	35	25	30	53	47	43	40	43	43	40	34	37	36	27	36	27	36	35	30	28	28	24	30	32	33	32	35	32	20	24	28	33.6
	Minimum	21	0	0	30	33	30	28	26	36	30	29	29	21	19	15	11	29	21	20	20	18	10	16	20	25	25	26	8	−2	5	10	19.6
Muncy Valley	Maximum	37	33	39	52	52	48	53	49	51	46	50	45	38	40	32	36	33	34	35	35	33	80	34	39	40	39	41	29	27	30	29	39.0
	Minimum	12	15	22	31	28	30	36	34	29	33	28	29	24	18	13	8	18	28	26	26	19	19	12	24	29	19	19	13	7	17	10	21.8
New Bloomfield	Maximum	42	29	36	55	45	45	51	43	45	47	43	45	37	47	39	34	34	40	38	39	39	37	33	36	40	33	41	25	29	33	36	39.2
	Minimum	26	11	24	30	30	38	34	26	31	30	29	29	19	17	20	10	20	27	22	16	22	28	20	24	21	16	22	13	9	18	15	22.5
New Castle	Maximum	41	36	50	56	55	49	43	44	42	44	49	48	35	38	37	42	43	37	32	38	35	31	37	38	35	37	40	21	35	34	34	39.9
	Minimum	28	27	30	34	39	31	35	30	30	36	31	32	27	27	20	13	31	29	18	17	29	25	22	31	30	18	17	10	15	19	9	25.5
Palmerton*	Maximum	40	28	46	52	56	48	50	51	47	47	41	45	38	43	31	32	36	37	38	36	35	30	27	36	40	37	47	27	32	32	34	39.3
	Minimum	24	16	21	34	34	40	32	30	42	37	34	32	27	25	19	13	30	32	31	24	24	21	21	26	26	20	22	17	13	22	18	26.0
Philadelphia*	Maximum	42	32	55	53	59	55	52	58	51	51	47	49	42	47	38	37	45	40	39	40	41	37	31	41	43	46	53	29	36	37	38	44.0
	Minimum	28	21	28	38	38	39	36	36	47	40	37	36	31	29	26	23	34	37	33	31	31	23	23	31	34	29	26	20	21	28	29	31.1
Phoenixville	Maximum	45	37	40	59	58	58	55	54	52	51	47	46	44	48	44	35	40	39	38	40	39	41	31	37	43	40	57	37	35	37	38	44.0
	Minimum	27	17	15	35	35	43	33	28	40	43	29	30	25	21	21	15	30	34	30	21	20	25	20	26	27	17	36	18	14	19	18	26.2
Pittsburgh*	Maximum	38	36	48	56	54	39	47	41	42	40	48	45	31	39	27	42	44	37	31	39	38	30	37	37	33	40	42	20	37	28	39	38.9
	Minimum	30	29	34	42	39	35	34	36	34	32	31	29	26	25	19	16	29	26	23	21	27	24	26	80	29	25	12	8	15	20	18	26.6

Continued on page 71.

Daily Temperatures for December, 1938—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	16	16	17	18	19	20	21	22	23	24	26	26	27	28	29	30	31	Mean
Port Clinton	Maximum	43	38	38	47	52	65	49	60	50	49	45	45	44	43	43	32	36	38	38	38	35	35	31	34	39	38	46	34	30	32	25	40.7
	Minimum	28	14	21	34	31	41	35	29	38	39	32	30	23	20	21	10	23	30	32	21	22	27	19	24	29	18	32	17	12	18	19	25.5
Quakertown	Maximum	39	33	39	63	66	56	51	52	48	48	44	46	41	42	38	32	38	37	36	36	34	35	28	36	40	37	48	33	31	32	33	40.4
	Minimum	29	11	9	36	30	40	26	39	41	40	30	29	25	21	19	13	28	32	30	23	20	22	18	24	25	15	31	16	12	23	17	25.0
Reading*	Maximum	41	30	53	50	58	51	54	52	51	51	44	48	41	48	32	33	37	39	40	39	39	34	30	35	41	41	48	27	36	33	39	41.8
	Minimum	30	21	26	33	33	43	39	34	43	38	36	32	28	28	25	20	31	33	31	25	29	21	21	29	31	26	24	17	17	27	27	29.0
Retreat	Maximum	39	33	41	54	53	53	48	45	47	48	42	44	37	41	39	32	35	36	37	35	33	32	27	32	38	36	45	25	30	31	34	38.8
	Minimum	27	13	21	36	30	38	34	32	34	34	29	29	27	23	22	10	21	30	29	28	21	20	14	24	21	18	25	14	9	19	15	24 1
Ridgway‡	Maximum	42	36	33	46	55	54	39	40	41	45	38	42	38	30	34	24	39	39	30	26	36	32	30	36	34	35	39	40	21	35	35	36.9
	Minimum	25	21	21	30	32	34	33	22	27	32	31	29	26	24	18	6	6	27	25	9	11	22	10	22	22	17	23	6	−3	18	12	20.6
Scranton*	Maximum	36	32	49	55	54	49	48	60	49	46	39	42	36	40	28	36	43	36	36	31	32	29	29	34	36	36	45	22	30	29	30	38.4
	Minimum	22	14	21	35	35	39	34	32	42	36	32	31	27	22	19	14	30	32	30	25	23	19	17	26	28	18	17	17	13	20	20	25.5
Selinsgrove	Maximum	45	34	35	54	45	45	51	44	46	47	44	45	45	45	39	34	34	36	38	38	39	37	28	33	41	36	40	27	29	32	32	39.3
	Minimum	31	12	26	32	32	39	36	30	30	42	32	30	25	23	20	13	23	28	28	21	23	24	18	25	25	18	21	14	14	22	13	24.8
Somerset	Maximum	39	28	38	55	49	45	41	39	40	40	47	44	31	36	34	34	40	37	28	38	32	30	36	36	27	30	38	16	35	32	35	36.5
	Minimum	25	13	22	34	29	32	30	22	26	32	27	25	21	22	17	7	22	22	10	7	25	14	5	27	25	−1	14	4	−5	20	17	19.0
Spriugs	Maximum	44	27	38	50	47	41	37	45	39	39	45	45	26	36	30	31	40	34	30	37	37	22	35	35	27	29	38	12	33	28	30	35.1
	Minimum	24	21	23	37	38	30	29	32	30	29	28	26	18	20	16	12	20	25	18	15	21	15	14	25	24	16	12	2	7	19	20	21.5
State College	Maximum	38	35	35	55	48	41	46	41	47	45	43	42	33	40	35	33	40	37	37	34	35	33	27	34	38	37	38	20	30	28	40	37.6
	Minimum	28	19	23	34	40	35	34	28	31	38	31	29	26	23	17	11	24	25	22	17	24	24	19	25	28	18	20	9	10	18	11	23.9
Stroudsburg‡	Maximum	47	39	44	60	44	45	60	50	46	45	45	47	44	41	31	34	36	35	36	39	31	36	33	40	46	48	49	32	28	30	33	40.8
	Minimum	28	10	18	29	32	32	38	27	45	41	32	37	26	23	19	10	27	34	31	24	23	23	26	24	26	19	32	21	10	16	25	26.1
Towanda	Maximum	39	32	40	57	55	50	48	46	48	46	39	42	37	41	31	33	38	38	34	39	31	28	28	37	39	36	45	27	23	31	34	38.6
	Minimum	24	13	23	34	29	39	34	26	32	39	29	30	25	22	17	10	25	30	29	21	19	18	13	26	24	17	18	15	12	16	12	23.2
Uniontown	Maximum	43	40	53	61	61	49	62	45	49	44	52	48	35	43	37	47	45	40	35	42	40	35	40	40	33	36	49	26	41	37	39	43.1
	Minimum	30	30	34	43	46	35	35	32	34	37	30	35	25	25	20	17	31	30	17	15	29	26	24	31	30	17	21	11	14	25	22	27.6
Vandergrift*	Maximum	40	37	60	58	53	44	49	41	43	44	49	45	35	28	31	44	47	35	35	40	42	37	40	40	31	41	48	27	42	37	42	41.5
	Minimum	27	27	34	34	31	36	30	29	32	35	33	30	28	26	16	14	30	21	18	17	30	30	24	31	23	21	17	11	16	21	15	25.4
Warren	Maximum	35	36	41	55	54	44	36	42	42	40	44	36	30	33	27	39	37	33	32	37	33	30	34	35	35	33	39	22	32	28	32	36.3
	Minimum	29	22	28	38	38	35	33	30	29	34	33	28	26	25	18	8	27	28	27	25	27	15	14	29	22	19	11	10	3	17	12	23.9
Waynesburg	Maximum	43	39	62	57	54	47	50	44	42	42	50	45	35	41	38	48	42	41	37	41	40	34	38	39	32	42	46	22	38	36	38	41.7
	Minimum	22	27	34	40	40	36	36	30	32	36	31	34	25	29	17	11	31	30	17	15	29	24	25	30	25	13	19	9	15	24	28	26.3
Wellsboro	Maximum	28	32	36	50	50	46	43	41	45	43	39	39	33	35	30	31	39	37	34	31	32	26	23	34	35	32	39	19	28	29	29	35.1
	Minimum	26	14	22	35	28	36	33	25	32	36	28	28	25	23	12	9	22	30	27	23	21	10	6	23	23	16	16	12	8	19	13	22.0
West Chester	Maximum	42	31	43	57	55	51	52	67	49	49	43	47	40	48	35	36	39	38	35	36	39	35	27	39	42	42	60	31	36	35	38	41.8
	Minimum	31	18	21	38	35	41	32	33	45	42	31	35	25	23	21	18	30	33	27	24	24	24	20	26	28	24	31	16	15	21	22	27.5
Wilkes-Barre	Maximum	40	33	42	56	65	52	49	49	48	48	42	44	37	41	35	36	41	41	37	33	32	30	28	34	39	36	46	26	31	31	32	39.5
	Minimum	27	11	24	36	33	42	35	30	37	38	30	30	28	23	17	8	24	32	32	25	22	20	18	25	25	21	23	15	12	18	16	26.1
Williamsport	Maximum	43	30	36	55	49	49	49	42	47	47	44	44	36	41	36	33	36	35	36	36	33	32	26	31	40	36	40	25	29	32	32	38.1
	Minimum	30	20	25	34	34	40	37	27	33	42	31	29	28	22	22	13	26	29	30	23	24	24	19	25	28	20	25	15	12	21	16	25.9
Williamstown	Maximum	43	39	31	57	53	63	49	48	47	44	45	42	39	43	43	33	33	38	34	36	34	34	31	32	36	40	43	30	28	29	29	39.2
	Minimum	29	15	20	29	38	35	33	33	36	37	31	32	23	21	16	13	22	28	26	21	25	20	15	20	25	24	26	9	11	22	16	24.2
York	Maximum	41	33	41	50	55	55	51	48	52	50	45	49	43	44	39	35	35	41	39	37	41	38	34	37	41	36	45	32	34	33	41	41.8
	Minimum	28	18	27	35	34	41	32	30	35	41	30	33	26	21	24	14	24	32	20	19	25	29	23	28	27	18	32	16	14	19	21	26.3

* Midnight to midnight. ‡ Thermometers read in morning, maximum set back to preceding date. ^{a}, ^{b}, ^{c}, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity*	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie	30.05	30.58	28	29.51	27	10.4	30	w.	27	77	72	75	13
Harrisburg	30.10	30.62	2	29.47	10	7.6	27	w.	10	73	60	65	51
Philadelphia	30.10	30.63	2	29.47	6	12.2	37	s.	3	73	63	66	46
Pittsburgh	30.08	30.64	28	29.61	26	11.4	36	w.	27	78	66	70	36
Reading	30.11	30.63	2	29.47	6	11.6	57	s.	27	69	58	64	43
Scranton	30.08	30.61	2	29.45	6	6.8	30	sw.	27	79	66	68	28

* For any five-minute period. † Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y	Delaware	4.6	9.7	7	2.7	27	18
Easton	Delaware	6.4	19.1	7	2.7	29	22
Lehighton	Lehigh	4.6	8.8	6	3.6	3	9
Wilkes-Barre	Susquehanna	7.7	15.9	11	3.7	30	20
Williamsport	Susquehanna	1.8	5.2	16	0.9	81	20
Harrisburg	Susquehanna	6.4	9.2	12	4.1	1	18
Greensboro	Monongahela	11.9	13.5	18	10.5	25	30
West Newton	Youghiogheny	0.6	2.0	6	0.0	2	20
Lock No. 4	Monongahela	12.8	14.9	8	11.0	26	30
Pittsburgh	Ohio	.....	16.8*	20	15.9	8	25
Midland	Ohio	.....	16.0*	22	14.2*	7	30

* Pool stage.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION,
G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIII. ANNUAL SUMMARY, 1938. No. 13.

GENERAL SUMMARY.

The year as a whole was moderately warm, with most of the excess temperature accumulating in February, March, April, and August. Three months, May, June and September gave small deficiencies, but the accumulated departures were on the positive side throughout the year. On the other hand the accumulated departures of precipitation for the State as a whole were on the negative side throughout the year. January was moderately warm and dry with moderate temperature extremes. Its warmest period centered on the 25th. Its cold periods were moderate and of short duration. Fields were generally bare of snow cover the greater portion of the month. February gave a temperature excess of almost six degrees, although the daily temperatures were below the normal about one-half of the time, the positive departures being large while negative departures were generally small. The precipitation averaged exactly normal, while the snowfall was only one-third of the normal. Temperatures during March were above the normal about three-fourths of the time, and the average excess for the month was five degrees. From the 21st to the 23d the average excess was more than 20 degrees, and vegetation made an unseasonably early start. The snowfall was the lightest for March since 1927, and it may be noted here that the snowfall for January to March inclusive was only 40 percent of the normal. April was moderately warm and dry, yet, contrary to those indications, the snowfall was above the normal. No snowfall occurred in the south-central and southeastern counties, but it exceeded 12 inches in some of the northern counties. The region of Scranton and Wilkes-Barre received a 24-hour snowfall of 11.0 inches on the 6th and 7th. A small but steady deficiency of moisture had accumulated since the first of the year, and at the end of April the soil was generally too dry for best results, although the winter grains were mostly in fine condition. May showed a small temperature deficiency due to a severe cold period on the 12th and 13th, when freezing temperatures were recorded in about four-fifths of the State. Temperatures as low as 25 degrees occurred at a few stations in the northern and western portions of the State. Corn that was up was mostly in the regions of no frost, but orchard fruits suffered severely and a large amount of tender garden vegetables was nipped. June was cool and wet. The nights were especially cool, and the growth of crops, except the winter grains, was slow. The rainfall averaged about 25 per cent above the June normal despite the fact that it was deficient in nearly all of the Susquehanna drainage area. Very heavy rains occurred in the Delaware Basin on the 26th and 27th, while the rye harvest was in full swing and the wheat harvest was just beginning. Much rye was ruined in the shock, and much wheat was beaten down. The resulting damage was estimated at upwards of $1,000,000. July gave a small excess in both temperature and rainfall. The conditions were generally favorable for crops, but heavy local rains occurred in the eastern half of the state from the 20th to the 23d, and did considerable damage to oats, which were being harvested at that time. August was the warmest since that of 1900, while its rainfall was generally deficient. The temperature extremes were not unusual, the highest for the State being 100 degrees, but a moderate temperature excess was persistent, and became decidedly enervating. September was abnormally cool and wet in the greater portion of the State. A three-day rain, 19th to 21st inclusive, exceeded six inches in most of the Delaware Basin. The exception to the moist conditions for September was found in a few southwestern counties where a moderate drought prevailed. October lived up to its reputation for pleasant weather with 18 clear, 6 partly cloudy, and only 7 cloudy days, and with temperatures averaging two degrees above the normal. November was pleasant until Thanksgiving day when heavy snow began, and covered the whole State to a depth of eight or ten inches. December showed a slight excess in temperature, with precipitation, including snowfall, below normal.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.9	100	−31	45.91	39.7	130	110	116	140
1889	49.8	96	−27	52.67	22.3	136	112	113	140
1890	50.5	101	−18	51.28	55.5	141	106	116	143
1891	50.6	100	−14	45.65	34.1	124	124	108	133
1892	49.3	103	−28	41.30	54.0	125	123	106	137
1893	48.7	102	−25	44.26	61.6	126	116	120	129
1894	51.3	103	−28	43.69	63.1	117	132	116	117
1895	49.4	104	−25	33.51	39.7	104	143	115	107
1896	50.5	101	−26	41.95	42.4	114	124	113	129
1897	50.0	103	−12	42.73	37.2	124	128	106	131
1898	51.3	107	−16	45.49	38.8	130	123	107	135
1899	50.0	101	−39	40.93	47.9	112	134	111	120
1900	51.5	104	−23	37.31	33.3	111	130	114	121
1901	49.4	107	−22	45.54	35.4	123	118	111	136
1902	49.6	100	−24	47.29	60.3	125	123	115	127
1903	49.6	99	−17	46.27	37.3	121	130	105	130
1904	47.5	99	−42	40.44	50.8	127	133	104	129
1905	49.4	99	−25	43.34	40.9	128	133	109	123
1906	50.8	99	−21	42.78	45.0	129	128	104	133
1907	48.5	98	−23	45.45	54.5	132	136	102	127
1908	50.9	104	−29	39.58	54.4	108	157	104	105
1909	50.2	100	−19	37.38	41.4	117	140	102	123
1910	49.9	99	−22	38.99	67.6	119	135	99	131
1911	51.1	105	−18	45.52	39.2	133	131	93	141
1912	49.0	100	−35	44.13	38.6	126	133	99	134
1913	51.7	102	−9	43.25	24.4	125	148	84	133
1914	49.3	101	−28	38.24	64.2	122	144	97	124
1915	50.1	99	−26	44.26	42.8	131	141	99	125
1916	49.6	103	−31	40.98	51.4	133	153	100	113
1917	47.3	105	−29	41.71	45.6	130	143	110	112
1918	50.2	108	−34	44.06	43.4	124	156	98	111
1919	51.1	104	−23	46.86	26.2	136	152	96	117
1920	49.2	99	−23	40.63	46.0	101	146	102	118
1921	53.1	104	−15	41.80	30.2	130	155	96	114
1922	51.4	100	−19	34.88	39.1	119	155	97	113
1923	50.4	103	−20	39.17	40.7	125	158	91	116
1924	48.4	102	−25	43.13	44.1	123	151	97	118
1925	50.3	104	−29	37.86	44.2	124	149	101	115
1926	48.7	105	−20	43.11	49.8	135	136	99	130
1927	50.9	100	−24	42.30	30.3	140	142	91	132
1928	50.5	99	−23	42.06	37.8	131	145	102	119
1929	50.5	101	−20	44.21	36.7	129	144	99	122
1930	51.2	108	−24	28.82	27.6	110	153	94	118
1931	52.8	105	−16	37.36	22.5	123	151	94	120
1932	51.6	105	−14	39.02	27.8	121	152	92	122
1933	51.7	107	−22	45.43	33.1	135	146	96	123
1934	50.6	107	−34	39.17	30.4	118	159	95	111
1935	50.2	104	−26	40.43	49.7	136	138	92	135
1936	50.4	111	−30	42.57	50.1	127	147	93	126
1937	50.7	101	−14	46.62	27.1	139	134	96	135
1938	51.8	100	−20	40.31	30.1	131	142	95	128
Period	50.2	111	−42	42.14	41.7	125	136	105	124

Climatological Data for the Year 1938

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic Drainage.																				
Allentown	Lehigh	254	16	52.6	95	Aug. 15	1	Jan. 19	26	51.14	10.51	June	2.13	Mar.	23.4	138	198	136	31	ne.
Altoona	Blair	1,615	42	50.2	93	do. 15†	0	do. 9	51	30.72	4.29	May	0.61	Oct.	36.0	122	195	78	92	w.
Ardmore	Montgomery	350	19	52.2	92	July 11	8	do. 19†	19	59.70	11.26	July	2.09	Apr.	26.7	128	.....	.....	.....	.....
Bedford	Bedford	1,060	7	52.3	95	do. 8†	−3	Nov. 26	7	31.24	4.00	June	0.94	Oct.	25.0	112	154	47	164	nw.
Bethlehem	Northampton	364	36	54.5	97	Aug. 3†	0	Jan. 19	53	52.74	9.98	do.	2.12	Feb.	25.9	140	175	45	145	w.
Carlisle	Cumberland	467	72	54.2	100	do. 15	1	Nov. 27	49	35.16	4.20	Sept.	1.83	Apr.	26.5	120	204	48	113	nw.
Center Hall	Center	1,272	37	51.0	91	do. 3†	2	Jan. 18	42	39.12	5.75	May	0.60	Oct.	31.3	99	204	67	94	.....
Chambersburg	Franklin	580	39	54.1	99	do. 16	4	Nov. 27	42	33.01	4.66	July	0.91	Feb	19.0	124	127	119	119	sw.
Coatesville	Chester	380	51	52.9	96	do. 16	5	Jan. 19†	51	52.53	12.18	June	1.81	Apr.	18.6	125	121	63	181	nw.
Colebrook	Lebanon	560	23	50.6	92	do. 15	1	do. 19	29	43.24	6.63	July	2.04	Feb.	25.5	135	197	52	116	w.
Emporium	Cameron	1,050	51	50.0	94	do. 3	−8	do. 19	51	34.38	5.19	June	1.43	Dec.	33.6	139	163	59	143	w.
Ephrata	Lancaster	380	38	54.9	100	do. 15	4	Nov. 26	46	43.02	8.98	July	1.82	Aug.	19.4	128	165	64	136	s.
Freeland	Luzerne	1,970	45	48.0	91	do. 17	0	Feb. 28	45	54.51	6.79	Sept.	2.40	Feb.	42.5	142	70	22	273	w.
George School	Bucks	190	32	54.3	95	do. 15	2	Nov. 26	32	52 02	10.13	July	1.12	do.	23.7	129	198	52	115	sw.
Gettysburg	Adams	553	63	55.1	99	June 26	8	do. 26†	65	37.13	5.25	May	1.51	do.	20.5	132	180	67	118	e.
Gordon	Schuylkill	840	35	50.2	94	Aug. 16	−6	Jan. 19	35	51.99	8.76	July	2.44	Oct.	43.7	128	183	68	114	w.
Gouldsboro	Wayne	1,875	15	.....	80	do. 15	−20	do. 19	24	44.03	6.15	Sept.	1.36	Mar.	48.5	93	191	58	116	w.
Hanover	York	600	34	55.6	95	July 10†	8	Nov. 26	34	39.35	5.26	do.	1.95	Apr.	21.6	130	190	60	115	s.
Harrisburg	Dauphin	337	50	54.0	95	Aug. 15	7	Jan. 19	69	36.73	4.41	do.	2.03	Feb.	19.9	134	106	114	145	w.
Hawley	Wayne	900	20	48.0	94	do. 3†	−19	do. 19	20	41.56	7.29	do.	1.32	Oct.	47.1	130	197	80	88	w.
Holtwood	Lancaster	200	19	55.2	95	do. 15	10	do. 19†	25	38.85	8.76	July	1.44	Jan.	20.5	135	162	84	119	.....
Huntingdon	Huntingdon	650	51	51.9	95	do. 15	3	Nov. 26†	51	33.93	4.47	do.	1.39	Oct.	26.2	117	153	81	131	w.
Kylertown	Clearfield	1,694	9	48.3	90	do. 16	0	Jan. 9	9	28.81	3.98	June	1.23	do.	33.3	151	57	138	170	w.
Lancaster	Lancaster	255	35	53.6	97	do. 16	−7	Nov. 26	51	42 48	7.11	July	1.96	Jan.	20.5	137	200	70	95	sw.
Lawrenceville	Tioga	1,000	41	48.5	95	do. 3†	−19	Jan. 19	41	32.49	6 08	Sept.	0.82	Oct.	38.0	101	137	112	116	.....
Lebanon	Lebanon	469	50	53.0	98	do. 15	3	do. 19	55	46.60	6.86	June	2.35	Feb.	19.5	127	188	71	106	sw.
Lock Haven	Clinton	580	48	52.4	97	do. 15	1	do. 19	48	37.93	4.51	Sept.	1.18	Aug.	23.9	150	99	172	94	sw.
Marcus Hook	Delaware	50	13	58.3	100	July 10†	10	do. 18	13	41.48	5.87	do.	1.58	Oct.	19.9	101	204	57	104	sw.
Montrose	Susquehanna	1,680	34	47.4	90	Aug. 16	−5	do. 18	34	41.17	7.78	do.	1.60	Mar.	33.6	128	84	101	180	s.
Mt. Pocono	Monroe	1,720	33	46.1	87	do. 16	−5	do. 19	33	59.04	10.46	do.	1.51	Aug.	42.0	114	128	80	157	nw.
Muncy Valley	Sullivan	1,045	26	48.2	94	do. 15	−9	do. 19	26	41.72	6.16	do.	1.99	Mar.	29.7	98	209	70	86	w.
Neshaminy Falls	Bucks	60	24	.....	97	July 8	−3	Nov. 25†	24	53.82	10.00	July	1.74	do.	23.8	126	198	32	135	w.
New Bloomfield	Perry	679	1	51.5	97	Aug. 15	−5	do. 27	1	36.24	5.25	do.	1.46	Apr.	.....	119	178	111	76	w.
Palmerton	Carbon	398	13	51.4	94	do. 15	−5	Jan. 19	22	53 96	8.08	do.	2.30	do.	24.8	139	164	101	100	sw.
Philadelphia	Philadelphia	26	67	56.0	95	do. 16	11	do. 19	67	46.92	10.06	June	1.83	Mar.	20.0	130	103	114	148	sw.
Phoenixville	Chester	100	28	54.5	96	July 11	−1	Nov. 26	29	56.23	11.51	do.	1.82	Apr.	23.5	125	183	107	75	sw.
Quakertown	Bucks	496	51	51.4	93	do. 11	−6	do. 26	53	50.23	8.14	Sept.	2.20	Feb.	23.4	130	165	91	109	nw.
Reading	Berks	266	41	54.6	95	Aug. 15	5	Jan. 19	61	39.11	7.78	July	1.77	do.	24.2	140	101	129	135	nw.
Scranton	Lackawanna	746	44	51.1	93	do. 17	−2	do. 19	44	37.91	4.97	do.	1.50	Mar.	41.4	136	71	146	148	sw.
Selinsgrove	Snyder	455	49	51.6	95	do. 16	−5	Nov. 27	49	34.72	4.80	do.	1.87	Jan.	25.1	139	112	138	115	nw.
Shawmont	Philadelphia	51	21	54.9	94	do. 15	9	Jan. 19†	42	49.73	9.47	do.	1.86	Oct.	29.9	133	113	113	139	nw.
Shippensburg	Cumberland	660	6	53.4	97	do. 17	3	Nov. 27	6	31.32	4.65	May	1.05	Feb.	22.0	127	133	90	142	sw.
State College	Center	1,217	50	50.6	93	do. 15†	3	Mar. 4	54	33.15	4.16	June	0.86	Aug.	27.8	133	139	126	100	w
Stroudsburg	Monroe	500	22	51.7	96	do. 16	−13	Jan. 19	23	52.96	9.00	do.	2.00	Feb.	28.8	102	198	48	119	w.
Towanda	Bradford	754	44	49.9	95	do. 15	−12	do. 19	44	35.38	5.42	July	1.21	Oct.	34.5	137	109	117	139	nw.
Wellsboro	Tioga	1,419	58	48.2	94	do. 15	−12	do. 19	68	28.08	6.87	June	0.66	do.	39.7	108	234	52	79	n.
West Chester	Chester	455	84	54.2	96	do. 15	5	do. 19	89	50.23	9.47	July	2.14	Apr.	26.8	127	180	92	93	sw.
Williamsport	Lycoming	521	49	51.7	97	do. 15	−2	do. 19	52	33.50	4.81	Aug.	1.43	Oct.	26.6	134	148	82	135	w.
Williamstown	Dauphin	1,275	28	52.3	95	July 17†	1	do. 19	23	44.73	6.50	July	2.07	Mar.	27.5	123	167	82	116	sw.
York	York	400	39	54.0	96	Aug. 15	−1	Nov. 26	50	38.75	4.96	June	1.63	Jan.	17.5	131	195	87	83	w.
Ohio Drainage.																				
Brookville	Jefferson	1,173	27	.....	96	Aug. 15†	−3	Jan. 28	49	44.29	6.04	June	1.83	Dec.	.....	160	78	102	185	.....
Butler	Butler	1,077	16	51.8	96	do. 3	3	do. 9	16	37.30	5.46	May	0.97	Jan.	.....	110	169	108	88	w.
Chambersville	Indiana	1,047	9	50.8	93	do. 3	−10	do. 9	13	41.67	5.70	July	1.48	Dec.	30.4	159	152	72	141	sw.
Clairton	Allegheny	1,020	8	51.9	91	do. 16†	6	do. 9†	8	34.43	4.41	June	0.82	do.	19.1	128	105	64	196	s.
Claysville	Washington	1,150	34	53.2	91	do. 3†	1	do 9	34	36.79	7.38	do.	0.96	Oct.	30.3	148	195	44	126	n.
Corry	Erie	1,430	26	48.6	94	do. 3	−6	do. 19	27	43.61	7.96	Sept.	1.80	do.	48.5	117	225	75	65	sw.
Coudersport	Potter	1,653	10	47.3	92	do. 3	−14	do. 19	10	37.63	5.95	June	1.47	do.	54.3	142	179	51	135	nw.
Dahoga	Elk	2,020	6	47.4	89	do. 3	−7	do. 9	6	44.51	6.72	do.	1.38	Dec.	55.7	144	127	75	163	w.
Derry	Westmoreland	1,172	42	53.9	94	July 8†	2	do. 9	42	41.84	4.91	May	1.28	do.	26.8	143	134	133	98	w.
Donora	Washington	762	12	55.6	95	do. 8†	8	do. 9	12	32.14	4.06	do.	0.95	Oct.	14.2	127	52	122	191	w.
Ebensburg	Cambria	2,000	21	48.8	89	Aug. 6	−3	do. 9	21	35.08	5.08	June	0.64	do.	50.2	150	188	95	83	w.
Franklin	Venango	957	45	48.9	92	do. 3†	0	do. 9	66	38.00	5.54	July	1.18	Dec.	44.9	138	44	22	299	w.
Greensburg	Westmoreland	1,150	30	53.3	94	do. 16	4	do. 9	30	37.98	5.60	June	1.36	do.	33.5	154	115	139	111	sw.
Greenville	Mercer	950	42	51.9	96	July 8†	−3	do. 28	42	38.95	5.13	July	1.51	do.	40.4	137	159	88	118	.....
Grove City	Mercer	1,256	31	51.4	94	Aug. 3	1	do. 9	31	37.68	5.21	do.	1.09	Oct.	26.5	142	139	109	117	nw.
Irwin	Westmoreland	1,100	39	53.1	94	do. 3	3	do. 9	42	41.45	6.01	June	1.43	Dec.	18.9	152	231	86	48	.....
Johnstown	Cambria	1,184	49	53.5	94	July 8	3	do. 9	57	37.28	5.63	May	1.05	Oct.	34.5	169	154	98	113	w.
Lycippus	Westmoreland	1,420	46	52.5	90	do. 8	3	do. 9	47	45.89	6.64	June	1.59	do.	36.4	143	85	111	169	w.
Meadville	Crawford	1,080	45	48.4	92	Apr. 28	−3	do. 27	46	35.42	4.50	do.	1.27	Dec.	41.8	145	100	100	165	s.
Midland	Beaver	697	2	53.1	96	July 25	4	do. 9	2	43.14	5.95	May	1 22	do.	19.9	152	90	121	154	nw.
Mount Lebanon	Allegheny	1,180	13	52.7	93	Aug. 15	2	do. 9	13	36.42	5.18	June	1.26	Oct.	19.5	123	148	98	119	sw.
New Castle	Lawrence	808	58	52.0	94	do. 3	3	do. 28	54	42.04	5.25	Mar.	1.00	do.	30.0	165	133	124	108	sw.
Newell	Fayette	800	18	53.3	96	do. 7	8	do. 26	18	35.10	5.09	June	1.20	do.	.....	117	138	128	99	sw.
Pittsburgh	Allegheny	1,248	64	53.0	94	do. 16	5	do. 26	67	33.22	4.30	Sept.	0.89	Dec.	23.5	142	78	110	177	sw.
Ridgway	Elk	1,350	23	47.1	92	do. 4	−5	do. 9†	33	39.00	5.03	June	1.71	do.	28.9	150	126	78	161	s.
Sharon	Mercer	940	26	52.7	96	July 8†	0	do. 28	26	34.89	5.64	Mar.	1.34	do.	16.3	121	154	94	117	sw.
Somerset	Somerset	2,190	71	47.2	87	do. 8	−13	Nov. 26	56	36.13	5.31	June	0.99	Oct.	46.6	158	57	127	181	sw.
Springs	Somerset	2,200	19	49.0	88	Aug. 20	0	Jan. 9	19	38.21	6.94	July	1.11	do.	51.1	145	73	160	132	w.
Uniontown	Fayette	1,100	49	55.1	96	do. 16	6	Feb. 1	50	36.00	5.80	June	1.45	Dec.	29.0	155	150	119	96	sw.
Vandergrift	Westmoreland	825	25	53.7	97	do. 16	7	Jan. 9	25	29.81	5.31	do.	1.06	do.	.....	114	174	117	74	.....
Warren	Warren	1,180	44	48.8	93	do. 3	−4	do. 19	49	41.38	5.28	Sept.	1.46	Oct.	42.0	172	109	82	174	w.
Waynesburg	Greene	1,035	8	54.2	93	do. 3†	3	do. 9	8	33.97	5.07	June	0.88	do.	21.0	97	47	208	110	sw.
Lake Drainage.																				
Erie	Erie	670	66	51.4	94	Aug. 16	1	Mar. 4	66	39.48	7.42	Sept.	1.46	Jan.	38.1	160	105	111	149	sw.
For the State§	.....	.....	.....	51.8	100	July 10†	−20	Jan. 19	.....	40.31	12.18	June	0.28	Feb.	30.1	131	142	95	128	w.

† On other days also.

§ From all available records.

W. B. O. Philadelphia-4-21-39-1200

Monthly and Annual Precipitation for the Year 1938, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
DELAWARE BASIN.																										
Allentown	3.01	−0.58	2.22	−1.14	2.13	−1.27	3.14	−0.57	2.98	−0.42	10.51	+6.57	8.99	+4.38	2.25	−2.65	7.22	+3.88	3.04	−0.51	2.98	+0.22	2.67	−0.84	51.14	+7.07
Ardmore	3.33	−0.30	2.31	−1.19	2.19	−1.94	2.09	−1.74	3.74	−0.20	9.52	+5.59	11.26	+6.58	6.88	+1.21	7.88	+4.31	3.13	−0.48	3.40	+0.03	3.97	+0.23	59.70	+12.10
Bethlehem	3.05	−0.40	2.12	−0.99	2.16	−1.08	3.33	−0.17	2.89	−0.23	9.98	+6.12	7.63	+3.07	4.60	+0.15	7.87	+4.63	3.10	−0.25	3.19	+0.32	2.82	−0.46	52.74	+10.71
Coatesville	3.09	−0.87	2.60	−1.17	2.79	−1.23	1.81	−1.95	2.97	−0.62	12.18	+7.98	8.23	+3.67	3.93	−0.80	6.39	+2.99	2.35	−1.01	2.48	−0.46	3.71	−0.28	52.53	+6.25
Conshohocken	2.29	−1.31	3.15	0.00	1.94	−1.01	2.01	−1.40	2.86	−0.40	10.69	+6.74	7.45	+3.10	3.42	−1.11	*7.39	+3.67	2.18	−1.51	3.62	+0.60	2.08	−0.48	49.08	+7.89
Doylestown	2.85	−0.79	2.38	−1.10	2.24	−1.48	2.04	−1.98	3.44	−0.13	7.43	+3.48	10.00	+5.13	1.26	−3.99	9.14	+5.54	2.64	−1.17	3.06	+0.10	3.57	−0.27	50.05	+3.34
Fredericksville	3.67	......	2.12	......	2.15	......	3.10	......	3.11	......	6.05	......	10.65	......	3.22	......	5.05	......	2.98	......	2.86	......	4.83	......	49.79	......
Freeland	3.68	+0.44	2.40	+1.11	2.58	−1.79	4.76	+0.18	4.78	+0.94	5.91	+0.95	6.28	+1.37	3.29	−1.11	6.79	+2.94	2.93	−1.36	5.62	+2.49	5.49	+1.57	54.51	+5.51
George School	3.12	−0.63	1.12	−0.65	1.95	−1.73	2.36	−1.26	3.42	+0.06	9.93	+6.26	10.13	+5.70	2.98	−2.06	8.50	+5.04	2.66	−1.04	3.19	+0.32	2.67	−0.90	52.02	+7.81
Gouldsboro	2.22	−1.14	3.48	+0.15	1.36	−2.40	3.38	−0.21	3.49	−0.32	5.91	+1.40	5.00	+0.55	2.20	−2.11	6.15	+2.39	2.14	−1.78	5.02	+1.80	3.68	+0.86	44.03	−1.31
Graterford	2.57	−1.25	1.54	−1.87	2.48	−1.57	1.32	−2.50	1.52	−1.68	4.78	+0.87	6.41	+1.83	2.83	−1.89	6.20	+3.03	2.26	−1.40	3.86	+0.90	2.58	−0.88	38.35	−6.42
Hawley	3.08	+0.44	1.96	−0.86	1.76	−1.14	3.34	+0.12	3.74	+0.22	4.80	+0.95	5.11	+2.33	2.30	−1.79	7.29	+4.08	1.32	−2.04	3.51	+0.88	3.35	+0.28	41.56	+3.47
Hollisterville	3.95	......	3.31	......	1.67	......	4.47	......	3.25		5.04	......	9.84	......	2.18	......	6.42	......	1.03	......	4.57	......	4.34	......	50.07	......
Lakeville	3.75	......	2.64	......	1.79	......	4.22	......	4.28	......	5.10	......	6.91	......	2.09	......	6.99	......	1.66	......	4.11	......	3.52	......	47.06	......
Lansford	3.94	+1.22	3.48	+0.74	2.83	−0.50	2.82	−0.58	4.03	+0.58	7.02	+2.55	7.75	+3.36	5.41	+0.76	7.63	+3.90	2.72	−1.18	3.71	+1.12	4.67	+1.24	56.01	+13.21
Lehighton	3.72	......	3.34	......	3.72	......	3.09	......	4.56	......	6.30	......	9.26	......	3.55	......	9.40	......	3.14	......	4.51	......	5.17	......	59.76	......
Marcus Hook	2.33	−1.38	2.46	+0.05	1.66	−1.91	1.59	−1.77	3.06	−0.15	5.82	+2.02	5.21	+0.65	5.80	+0.28	5.87	+2.27	1.58	−0.77	2.72	−0.13	3.38	+0.57	41.48	−0.27
Matamoras	3.28	+0.56	2.25	−0.32	1.68	−1.42	2.73	−0.67	3.29	−0.08	5.45	+1.45	8.10	+4.38	2.87	−0.87	8.84	+5.65	2.61	−0.63	3.29	+0.48	4.05	+1.14	48.44	+9.67
Mauch Chunk	4.89	+1.65	2.99	−0.52	2.75	−1.41	2.98	−1.07	3.47	−0.09	7.59	+3.12	*8.36	+3.59	*4.87	−0.02	*7.87	+4.01	3.01	−0.89	5.34	+2.18	4.86	+0.82	58.98	+11.22
Mount Pocono	5.95	+2.98	3.82	+0.84	4.00	+0.44	2.89	−0.75	4.38	+0.30	5.95	+1.19	9.80	+5.33	1.51	−2.75	10.46	+6.02	2.85	−1.83	4.33	+1.12	3.10	−0.16	59.04	+12.73
Neshaminy Falls	3.24	−0.12	2.19	−0.77	1.74	−2.01	2.17	−1.58	3.18	−0.78	10.27	+6.40	10.00	+5.53	4.39	−1.48	7.71	+4.28	2.71	−1.31	3.44	+0.41	2.78	−0.74	53.82	+7.83
New Tripoli	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	6.45	......	3.00	......	4.35	......	4.35	......	......	......
Orwigsburg	2.90	......	3.77	......	3.12	......	3.60	......	3.18	......	6.56	......	6.82	......	2.88	......	5.52	......	3.67	......	4.07	......	4.45	......	50.54	......
Palmerton	3.93	+1.56	2.35	−0.04	2.37	−0.67	2.30	−0.94	2.92	−0.50	7.62	+3.91	8.08	+3.60	5.64	+1.68	6.57	+3.28	2.57	−0.82	4.75	+2.16	4.86	+1.95	53.96	+15.17
Paupack	3.76	+0.96	2.45	−0.37	1.62	−1.18	3.34	−0.22	3.30	−0.22	3.49	−0.65	6.01	+2.82	2.07	−2.85	7.12	+3.17	1.45	−2.26	3.64	+0.82	3.59	+0.71	41.84	+1.23
Philadelphia	2.32	−0.98	2.54	−0.78	1.83	−1.56	1.92	−1.13	2.86	−0.40	10.06	+6.82	6.52	+2.37	4.10	−0.52	7.35	+4.21	2.09	−0.72	3.11	+0.41	2.22	−1.21	46.92	+6.51
Phila. Navy Yard	2.76	−0.50	2.19	−1.17	1.62	−1.90	1.88	−1.42	3.00	−0.12	6.05	+2.05	5.48	+0.88	2.62	−2.66	9.40	+6.26	2.16	−0.95	4.20	+1.37	2.57	−0.87	43.93	+0.97
Phila-Point Breeze	2.36	−1.18	2.27	−0.68	1.56	−1.38	1.79	−1.40	2.77	−0.39	10.59	+6.32	8.04	+3.85	5.83	+1.07	9.83	+5.65	2.10	−0.76	3.13	+0.19	2.67	+0.22	52.94	+11.51
Phoenixville	3.25	−0.38	2.70	−0.70	2.38	−1.26	1.82	−1.70	2.60	−1.16	11.51	+8.14	8.18	+3.22	6.78	+1.43	7.91	+4.64	3.05	−0.57	2.86	−0.13	3.19	−0.50	56.23	+11.03
Pleasant Mount	3.80	−0.33	3.61	+0.54	2.64	−1.36	3.04	−1.07	3.86	−0.09	4.68	+0.12	2.02	−2.99	5.12	+0.33	7.61	+3.12	2.62	−1.54	3.68	−0.57	5.23	+2.18	47.91	−1.66
Port Clinton	3.04	−0.48	1.87	−1.45	5.89	+2.02	2.43	−1.71	3.44	−0.70	5.32	+0.86	8.93	+4.03	1.70	−3.47	7.35	+3.30	3.03	−0.94	3.70	+0.89	4.39	+0.78	51.09	+3.13
Pottstown	......	......	......	......	......	......	......	......	......	......	5.59	+2.21	7.79	+3.27	2.70	−1.62	4.70	+1.70	2.44	−0.93	3.19	+0.70	1.90	−1.69	......	......
Pottsville	3.94	+0.38	3.03	−0.38	2.43	−1.66	2.53	−1.28	3.80	+0.07	6.38	+2.08	6.28	+1.59	4.85	+0.19	6.48	+2.41	2.97	−1.12	4.58	+1.65	4.85	+1.00	52.12	+4.93
Quakertown	2.88	−0.94	2.20	−1.11	2.37	−1.42	2.94	−1.12	3.95	+0.59	8.01	+4.10	7.78	+3.10	3.11	−1.98	8.14	+4.25	3.03	−0.89	2.94	−0.20	2.88	−1.08	50.23	+3.30
Reading	2.19	−1.38	1.77	−1.65	2.45	−1.07	2.25	−1.02	2.24	−1.43	5.54	+1.99	7.78	+3.52	2.58	−1.63	4.70	+1.49	2.49	−0.63	3.14	+0.41	1.98	−1.58	39.11	−2.98
Sellersville	2.74	......	2.25	......	2.58	......	3.38	......	3.29	......	6.27	......	9.10	......	3.81	......	6.72	......	2.79	......	2.17	......	2.65	......	47.75	......
Shawmont	2.73	−0.57	2.16	−1.02	2.08	−1.39	2.00	−1.33	3.46	+0.18	7.68	+4.26	9.47	+5.18	4.23	−0.88	7.56	+4.40	1.86	−1.39	2.87	+0.04	3.63	+0.10	49.73	+7.58
Stroudsburg	5.10	+1.72	2.00	−1.35	2.23	−1.28	3.52	−0.05	2.64	−0.69	9.00	+4.68	5.33	+0.02	4.89	+0.65	7.60	+4.12	2.90	−0.84	3.70	+0.51	4.09	+0.73	52.96	+8.22
Wernersville (near)	2.30	......	*2.33	......	2.55	......	*2.47	......	4.67	......	4.01	......	8.50	......	2.95	......	6.56	......	2.56	......	3.51	......	*3.42	......	45.83	......
West Chester	3.05	−0.77	2.58	−1.02	2.51	−1.32	2.14	−1.60	2.84	−1.04	9.33	+4.78	9.47	+4.83	3.29	−1.71	6.64	+3.12	2.59	−1.03	2.85	−0.23	2.94	−0.86	50.23	+3.25
Westgrove	2.73	......	2.65	......	2.66	......	1.70	......	3.84	......	6.50	......	10.42	......	3.31	......	8.67	......	2.03	......	2.65	......	3.13	......	50.29	......
Zionsville	3.53	......	3.86	......	3.53	......	3.86	......	3.60	......	7.80	......	7.12	......	3.84	......	6.65	......	3.03	......	4.28	......	4.58	......	55.68	......
SUSQUEHANNA BASIN.																										
Altoona	3.06	+0.06	2.38	+0.05	3.51	+0.23	2.44	−1.08	4.29	+0.27	2.97	−0.88	2.60	−1.40	1.16	−2.33	3.17	+0.22	0.61	−2.58	2.62	+0.20	1.91	−0.83	30.72	−8.07
Ansonia	2.62	+0.53	2.34	+0.38	1.67	−0.75	2.13	−1.21	3.13	−0.51	7.03	+3.19	1.78	−1.74	0.85	−2.65	3.15	+0.26	0.74	−2.44	2.23	−0.06	1.65	−0.58	29.32	−5.58
Arendtsville	2.39	−0.61	*1.31	−1.53	3.50	+0.02	1.83	−1.72	5.76	+1.92	2.67	−2.42	2.94	−0.94	8.53	+3.78	2.49	−1.17	1.70	−1.80	3.21	+0.83	4.18	+0.96	40.51	−2.68
Baker's Summit	2.36	−0.76	1.21	−1.26	3.39	−0.14	2.18	−1.45	5.38	+1.95	4.45	+0.32	2.86	−1.28	1.98	−1.68	2.85	+0.05	1.45	−1.92	2.20	−0.27	2.46	−0.05	32.77	−6.38
Bald Eagle	2.69	......	2.31	......	3.81	......	2.40	......	2.73	......	2.93	......	2.27	......	1.60	......	2.44	......	0.66	......	1.97	......	2.00	......	27.81	......
Bedford	2.56	......	1.14	......	3.59	......	1.58	......	3.54	......	4.00	......	3.63	......	1.47	......	3.66	......	0.94	......	2.57	......	2.56	......	31.24	......
Bellefonte	2.25	−0.70	2.24	−0.34	3.28	−0.03	2.39	−1.29	3.40	+0.07	3.85	−0.38	3.80	−0.06	2.96	−0.57	2.39	−0.45	0.90	−2.29	1.35	−0.93	2.38	−0.24	31.19	−7.21
Berwindale	2.02	......	3.28	......	4.26	......	2.73	......	4.12	......	4.84	......	3.03	......	3.54	......	2.23	......	0.77	......	2.32	......	1.37	......	34.51	......
Big Knob	1.89	......	2.24	......	3.30	......	1.19	......	5.23	......	2.76	......	3.63	......	3.41	......	3.97	......	1.78	......	3.27	......	3.12	......	35.79	......
Bloomsburg	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	3.54	......	......	......
Bloserville	1.93	−1.24	1.44	−1.09	3.37	+0.20	1.47	−2.09	4.05	−0.29	2.70	−2.62	4.83	+0.03	3.98	−1.83	3.49	−0.10	2.54	−1.05	2.80	+0.23	2.58	−0.14	35.18	−9.99
Carlisle	2.41	−0.77	1.94	−1.31	3.15	−0.16	1.83	−1.53	3.56	+0.18	2.59	−1.27	3.13	−0.70	2.86	−1.86	4.20	+1.48	2.04	−1.35	3.44	+1.12	4.01	+0.91	35.16	−5.26
Carter Camp	2.71	......	3.36	......	3.27	......	1.99	......	3.90	......	5.62	......	5.47	......	1.48	......	2.73	......	1.37	......	2.82	......	1.63	......	36.35	......
Center Hall	2.14	−0.25	2.26	−0.08	3.55	+0.52	1.48	−1.67	5.75	+1.37	4.85	+0.56	5.31	+1.14	4.31	+0.38	2.87	+0.03	0.60	−2.40	2.44	+0.30	3.56	+1.17	39.12	+0.97
Clearfield	2.56	−0.95	3.18	+0.39	4.37	+0.69	2.59	−1.00	5.07	+0.70	2.89	−1.72	2.05	−2.51	2.46	−1.66	3.52	+0.21	1.78	−1.61	2.76	−0.21	0.94	−2.14	34.17	−9.81
Colebrook	2.56	−0.85	2.04	−1.37	2.94	−0.89	2.42	−1.28	4.22	+0.63	5.03	+0.94	6.63	+2.35	2.26	−2.83	5.12	+1.85	2.73	−0.79	3.98	+1.55	3.31	−0.16	43.24	−0.85
Driftwood	2.33	......	2.62	......	*3.49	......	1.68	......	3.48	......	4.36	......	1.69	......	1.64	......	2.14	......	1.57	......	2.38	......	1.22	......	28.60	......
Du Bois	2.57	......	3.52	......	5.05	......	3.25	......	5.03	......	5.38	......	4.00	......	2.78	......	2.51	......	1.99	......	2.28	......	1.10	......	39.46	......
Emporium	2.24	+1.42	3.24	+1.42	2.79	−0.84	3.11	−0.58	3.47	−0.72	5.19	+0.85	3.13	−1.28	1.95	−2.03	3.58	+0.10	1.45	−1.78	2.80	−0.04	1.43	−1.79	34.38	−9.21
English Center	2.24	......	2.02	......	*2.73	......	*2.83	......	3.27	......	3.11	......	2.89	......	*1.11	......	2.70	......	0.83	......	2.21	......	1.92	......	27.86	......
Ephrata	2.28	−0.79	2.10	−0.85	2.52	−0.81	2.02	−1.80	3.67	+0.63	6.72	+2.46	8.98	+4.60	1.82	−2.44	4.65	+1.28	2.82	−0.28	2.87	+0.61	2.57	−0.55	43.02	+2.68
Forest City	2.75	+0.23	3.44	+1.06	2.06	−0.42	3.09	−0.39	4.14	+0.50	1.44	−3.09	4.59	−0.25	3.25	−1.30	6.38	+1.35	2.31	−1.18	2.49	+0.14	4.37	+1.39	40.31	−0.56
Galeton	2.62	......	3.08	......	2.67		2.53	......	2.94	......	5.33	......	2.40	......	1.15	......	3.49	......	1.00	......	3.14	......	1.54	......	31.89	......
Girardville	4.65	+0.66	3.97	+0.35	2.87	−1.40	2.84	−1.17	4.69	+0.90	4.47	−0.27	9.28	+4.17	4.47	−0.35	4.92	+0.78	2.66	−1.68	4.91	+1.83	4.84	+0.84	54.57	+4.66
Gordon	2.61	−1.16	3.46	+0.19	2.54	−0.35	2.67	−1.53	5.64	+1.72	4.31	−0.12	8.76	+3.90	4.97	+0.81	5.43	+1.40	2.44	−1.88	4.33	+1.25	4.83	+1.11	51.99	+4.24
Hanover	1.63	−1.52	1.91	−0.90	3.33	+0.02	1.95	−1.38	4.26	+0.89	3.58	−0.43	3.58	−0.61	3.99	−0.53	5.26	+2.22	1.99	−0.95	4.17	+1.91	3.70	+0.65	39.35	−0.63
Harrisburg	2.07	−1.02	2.03	−0.93	2.83	−0.21	2.19	−0.50	3.45	+0.01	2.92	−0.67	2.65	−1.18	4.28	+0.24	4.41	+1.36	2.42	−0.51	3.83	+1.57	3.65	+0.63	36.73	−1.21
Holtwood	1.44	−1.72	1.66	−1.06	2.55	−0.47	1.78	−1.06	3.33	+0.56	6.35	+3.14	8.76	+4.99	2.01	−1.91	4.20	+1.44	2.16	−0.65	2.49	+0.30	2.12	−0.56	38.85	+3.00
Huntingdon	2.41	−0.79	1.50	−1.19	3.66	+0.20	1.63	−1.86	3.68	−0.07	3.69	−0.43	4.47	+0.41	3.25	−0.63	2.59	−0.50	1.39	−1.68	2.65	+0.42	3.01	+0.09	33.93	−6.03
Huntsdale	2.08	......	1.51	......	2.51	......	1.08	......	3.75	......	1.57	......	1.92	......	3.18	......	2.63	......	1.81	......	2.63	......	4.02	......	28.69	......
Kylertown	2.63	......	2.45	......	2.87	......	2.90	......	3.81	......	3.98	......	1.61	......	2.11	......	1.39	......	1.23	......	2.49	......	1.34	......	28.81	......
Lancaster	1.96	−1.23	2.20	−0.47	2.89	−0.43	2.12	−1.14	3.46	+0.51	6.89	+2.83	7.11	+2.83	3.04	−1.04	4.62	+1.25	2.53	−0.56	2.88	+0.50	2.78	−0.41	42.48	+2.64
Lawrenceville	1.98	+0.01	2.07	+0.24	1.62	−0.68	2.03	−0.95	3.93	+0.13	4.59	+0.67	3.65	−1.05	2.55	−0.92	6.08	+3.07	0.82	−2.01	2.57	+0.30	1.20	−0.78	32.49	−1.79
Lebanon	2.65	−0.69	2.35	−0.78	3.07	−0.41	3.00	−0.49	3.27	+0.01	6.86	+2.51	4.35	−0.02	4.79	+0.36	5.48	+2.07	2.71	−0.68	3.93	+1.42	4.14	+0.80	46.60	+4.10
Lewistown	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.72	......	3.52	......	1.34	......	3.14	......	2.26	......	......	......
Lock Haven	2.73	−0.41	2.55	+0.01	3.42	+0.05	3.61	+0.03	4.24	+0.19	4.40	+0.14	4.17	+0.17	1.18	−2.83	4.51	+1.43	1.66	−1.47	2.92	+0.81	2.54	−0.31	37.93	−2.19
Millersburg	2.01	......	2.53	......	2.00	......	1.59	......	2.83	......	4.29	......	8.05	......	3.42	......	3.01	......	2.28	......	2.99	......	3.24	......	38.24	......
Millville	2.24	......	2.72	......	2.48	......	2.81	......	2.12	......	2.78	......	2.98	......	2.38	......	3.62	......	1.86	......	2.42	......	3.21	......	31.62	......
Montrose	2.60	+0.15	2.68	+0.60	1.60	−1.07	2.09	−1.13	2.92	−0.91	4.43	+0.31	4.08	−0.02	3.74	−0.33	7.78	+4.02	2.07	−1.49	3.26	+0.61	3.92	+1.35	41.17	+2.09
Morris Run	2.41	+0.01	2.94	+0.59	2.24	−0.75	2.82	−0.69	3.53	−0.15	4.22	−0.10	3.46	−0.00	4.43	+0.08	4.87	+1.85	1.30	−2.15	2.62	−0.73	2.42	+0.18	37.26	−1.86
Mt. Union	2.43		2.10	......	3.66	......	1.83	......	3.57	......	3.78	......	2.46	......	3.77	......	3.05	......	*1.50	......	3.06	......	3.91	......	35.12	......
Muncy Valley	2.80	−0.34	3.03	+0.63	1.99	−1.04	2.88	−0.98	4.36	+0.31	3.90	−0.46	4.00	−0.68	3.13	−1.50	6.16	+2.60	2.31	−1.30	2.86	+0.09	4.30	+1.27	41.72	−1.40
New Bloomfield	2.23	......	2.34	......	3.20	......	1.46	......	3.62	......	3.52	......	5.25	......	4.20	......	2.23	......	1.91	......	3.28	......	3.00	......	36.24	......
New Park	1.94	−1.25	2.11	−0.46	2.78	−0.77	1.88	−2.02	4.13	+1.17	4.58	+0.74	6.27	+2.37	4.95	−0.25	2.95	−0.57	2.25	−1.15	2.08	−0.98	2.94	+0.32	38.86	−2.75
Newport	3.16	......	2.27	......	3.15	......	1.51	......	3.57	......	3.16	......	5.73	......	3.78	......	3.48	......	1.92	......	3.21	......	2.99	......	37.98	......
Pine Grove	3.73	+0.43	3.09	+0.33	2.72	−0.90	2.60	−1.17	4.98	+1.44	6.68	+1.60	6.76	+2.00	4.26	+0.10	5.02	+1.62	3.16	−0.90	4.18	+0.65	4.99	+1.98	52.17	+7.18
Renovo	3.01	+0.26	3.06	+0.74	3.32	+0.39	3.37	+0.03	4.16	+0.31	3.25	−0.98	2.23	−1.90	1.28	−2.26	2.99	+0.03	1.07	−1.96	2.52	+0.07	1.83	−0.72	32.09	−5.99
Retreat	1.94	......	2.77	......	2.14	......	3.43	......	*4.44	......	3.98	......	5.91	......	0.72	......	4.98	......	2.08	......	4.02	......	3.84	......	40.20	......
Scranton	2.41	−0.62	2.82	−0.22	1.50	−1.70	2.94	+0.17	3.23	−0.04	4.64	+0.97	4.97	+0.94	1.62	−2.07	5.42	+2.25	1.61	−1.42	3.24	+0.47	3.51	+0.49	37.91	−0.78
Selinsgrove	1.87	−1.15	2.56	−0.21	3.21	−0.31	2.68	−0.99	3.17	−0.53	2.58	−1.55	4.80	+0.76	2.08	−1.76	3.62	+0.31	1.98	−1.59	2.77	+0.30	3.40	+0.39	34.72	−6.33

* Monthly amount interpolated; annual amount partly interpolated.

(Continued on page 75).

Monthly and annual Precipitation for the Year 1938, with Departures from the Normal.—Continued

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
SUSQUEHANNA BASIN (Continued)																										
Shade Gap	1.86	......	1.46	......	3.30	......	1.26	......	3.94	......	1.47	......	3.67	......	1.55	......	4 38	......	1.41	......	*2.43	......	3.18	......	29.91	......
Shippensburg	2.28	......	1.05	......	3.36	......	1.38	......	4.65	......	2.00	......	2.63	......	1.73	......	4.32	......	1.76	......	2.92	......	3.24	......	31.32	......
State College	3.00	-0.08	2.45	-0.02	3.41	+0.07	2.16	-1.44	3.38	-0.51	4.16	+0.04	3.93	+0.07	0.86	-2.62	2.96	+0.06	1.18	-1.84	3.15	+0.84	2.51	-0.16	33.15	-5.59
Sunbury	2.94	-0.29	2.69	-0.14	3.48	+0.21	3.09	-0.47	3.25	-0.67	3.57	-0.73	3.89	-0.43	1.73	-2.07	4.25	+0.94	2.10	-1.22	3.48	+1.21	3.76	+0.84	38.23	-2.82
Susquehanna	2.40	......	2.39	......	1.47	......	2.02	......	2.66	......	4.81	......	4.38	......	3.88	......	6.39	......	2.80	......	3.69	......	3.59	......	40.48	......
Towanda	1.62	-0.52	2.11	+0.12	1.71	-0.88	2.17	-0 92	2.19	-1.17	4.18	+0.36	5.42	+1.62	4.60	+1.17	4.37	+1.18	1.21	-1.70	2.73	+0.59	3.07	+0.88	35.38	+0.73
Weikert	2.76	-0.49	3.43	+0.69	3.34	-0.41	2.80	-1.41	2.82	-1.07	3.40	-0.73	3.35	-0.82	2.32	-1.29	4.23	+0.91	1.42	-2.38	2.75	+0.07	3.88	+0.78	36.50	-6.15
Wellsboro	2.26	-0.01	2.47	+0.45	1.91	-0.75	1.94	-1.12	2.27	-1.13	6.87	+3.14	2.57	-0.63	0.77	-2.41	2.17	-0.78	0.66	-2.37	2.82	+0.60	1.37	-0.77	28.08	-5.78
Wilkes-Barre[1]	......	......	......	......	......	......	......	......	......	......	......	......	5.62	......	1.73	......	4.83	......	1.71	......	3.17	......	3.88	......	......	......
Wilkes-Barre[2]	2.56	+0.17	3.11	+0.53	1.52	-1.39	4.21	+1.28	4.08	+0.93	6.38	+2.40	7.25	+3.18	2.59	-1.19	5.45	+1.98	1.83	-1.27	3 30	+1.08	3.62	+0.89	45.90	+8.59
Williamsport	2.39	-0.57	2.85	+0.35	2.47	-0.75	3.06	-0.58	2.90	-0.93	2.53	-1.33	1.64	-2.20	4.81	+1.08	3.35	+0.31	1.43	-1.79	3.04	+0.67	3.03	+0.14	33.50	-5.60
Williamstown	3.00	-0.06	2.61	-0.06	2.07	-1.20	2.35	-1.13	4.87	+1.06	5.16	+0.65	6.50	+1.08	2.23	-1.68	5.93	+1.84	2.63	-1.08	3.81	+0.98	3.57	+0.70	44.73	+1.10
York	1.63	-1.44	1.79	-0.96	2.87	-0.24	1.87	-1.32	4.38	+1.36	4.96	+1.21	4.84	+0.62	3.89	-0.17	4.31	+1.28	2.34	-0.70	3.25	+1.02	2.62	-0.31	38.75	+0.35
York Haven	1.96	-0.90	1.76	-0.99	2.86	+0.03	1.85	-1.37	4.85	+1.80	3.00	-0.79	4.63	-0.01	3.14	-0.88	4.51	+1.24	2.04	-0.97	4.03	+1.93	3.23	+0.24	37.86	+0.23
OHIO BASIN.																										
Beaver Falls	2.21	-0.68	2.41	+0.13	3.70	+0.41	3.79	+0.78	6.08	+2.87	2.95	-1.52	1.99	-1.54	3.92	+0.32	2.91	+0.05	1.01	-1.48	2.66	+0.29	0.87	-1.77	34.50	-2.14
Blairsville	1.90	......	3.36	......	4.48	......	3.74	......	4.53	......	5.72	......	2.55	......	2.92	......	4.40	......	1.39	......	2.67	......	1.40	......	39.06	......
Bradford	1.54	-2.08	5.33	+2.71	2.83	-0.72	2.90	-0.90	2.78	-1.12	5.74	+1.67	5.12	+0.68	2.07	-1.61	6.42	+2.43	1.76	-1.55	3.19	0.00	1.76	-1.41	41.44	-1.90
Brookville	3.63	+0.40	3.85	+1.72	5.02	+1.77	4.74	+1.84	4.12	+0.70	6.04	+1.70	4.49	+0.33	2.02	-1.82	3.35	+0.22	2.02	-1.25	3.18	+0.29	1.83	-1.19	44.29	+4.71
Buckstown	2.04	......	2.23	......	3.79	......	1.96	......	4.33	......	2.98	......	2.81	......	1.88	......	2.79	......	1.12	......	1.89	......	*1.99	......	29.81	......
Butler	0.97	-2.26	2.37	-0.03	3.19	-0.25	3.96	+0.59	5.46	+1.93	5.40	+0.74	4.14	-0.27	1.98	-1.92	3.45	-0.01	1.56	-1.31	3.51	+0.71	1.31	-1.70	37.30	-3.78
Chambersville	2.53	-1.23	3.30	+0.44	4.92	+1.17	3.98	+0.10	4.29	+0.18	5.07	+0.32	5.70	+1.01	1.95	-1.97	4.29	+0.64	1.50	-2.01	2.66	-0.11	1.48	-1.85	41.67	-2.81
Clairton	1.89	......	2.90	......	3.36	......	3.33	......	3.82	......	4.41	......	2.61	......	3.91	......	2.69	......	1.43	......	3.26	......	0.82	......	34.43	......
Clarion	2.83	-1.02	5.14	+2.55	4.91	+1.23	5.22	+1.68	3.98	+0.24	6.09	+1.93	5.58	+1.19	1.57	-2.67	4.01	+0.50	2.38	-0.86	3.30	-0.03	2.43	-1.09	47.44	+3.65
Claysville	2.18	-1.07	3.53	+1.06	4.07	+0.74	3.52	+0.13	4.86	+1.27	7.38	+3.08	1.26	-2.99	1.74	-2.03	2.77	-0.47	0.96	-2.29	2.99	+0.49	1.53	-1.43	36.79	-3.51
Confluence	2.10	-1.88	3.10	+0.17	4.52	+0.67	2.85	-0.84	4.26	+0.27	3.34	-1.34	6.09	+0.51	1.42	-2.95	2.94	-0.16	1.11	-1.94	3.25	+0.54	1.33	-2.22	35.31	-9.17
Connellsville	2.25	......	2.80	......	3.12	......	2.33	......	2.93	......	6.22	......	2.91	......	1.15	......	3.97	......	1.95	......	2.11	......	0.88	......	32.62	......
Corry	1.92	-2.20	4.39	+1.58	3.98	+0.17	4.32	+0.70	2.51	-2.00	3.73	-1.08	3.41	+0.01	3.53	-0.46	7.96	+4.36	1.80	-2.26	3.72	-0.09	2.34	-1.28	43.61	-2.55
Coudersport	2.53	-0.52	3.74	+1.52	3.02	-0.29	3.17	-0.47	2.88	-0.89	5.95	+1.68	2.94	--2.08	1.77	-1.52	5.14	+2.39	1.47	-1.79	2.73	-0.35	2.29	-0.24	37.63	-1.56
Dahoga	2.22	......	5.27	......	4.47	......	4.19	......	3.07	......	6.72	......	4.16	......	3.73	......	5.26	......	1.74	......	2.30	......	1.38	......	44.51	......
Derry	3.14	-0.74	3.53	+0.51	3.37	-0.49	3.71	-0.02	4.91	+1.27	4.53	-0.41	3.56	·0.91	4.52	+0.45	4.34	+1.20	2.04	-1.20	2.91	-0.28	1.28	-2.02	41.84	-2.08
Donora	1.82	-0.96	2.86	+0.60	3.26	-0.25	3.52	-0.11	4.06	+0.61	3.43	+0.02	2.80	-0.59	2.05	-1.67	3.78	+1.03	0.95	-1.92	2.47	0.00	1.14	-1.23	32.14	-4.47
Dunlo	2.15	......	2.54	......	4.93	......	2.25	......	4.32	......	3.26	......	3.74	......	1.86	......	2.18	......	1.23	......	2.07	......	2.09	......	32.62	......
Ebensburg	3.48	-0.11	3.78	+1.04	2.93	-0.71	3.59	+0.39	3.65	-0.69	5.08	+0.24	2.73	-1.43	1.71	-2.31	2.84	-0.66	0.64	-2.68	2.84	-0.04	1.81	-1.17	35.08	-8.10
Franklin	2.29	-1.13	3.66	+1.17	3.98	+0.63	3.35	-0.15	2.36	-1.52	3.69	-0.44	5.54	+1.27	2.93	-0.76	4.25	+0.86	1.45	-1.84	3.32	+0.39	1.18	-2.00	38.00	-3.52
Greensboro	1.87	-1.48	3.57	+0.98	3.83	+0.17	3.73	+0.46	4.26	+0.57	5.56	+0.92	1.64	-2.79	0.78	-2.86	2.90	-0.23	0.94	-2.06	3.19	+0.59	1.48	-1.67	33 75	-7.40
Greensburg	2.48	-0.95	3.57	+0.82	4.03	+0.61	3.81	+0.41	4.59	+0.81	5.60	+1.21	3.96	+0.19	1.46	-2.65	2.87	-0.05	1.58	-1.44	2.67	+0.27	1.36	-1.69	37.98	-2.36
Greeuville	1.70	-1.93	3.52	+0.95	4.12	+0.75	3.70	+0.24	3.55	-0.16	4.08	+0.17	5.13	+0.81	1.83	-1.64	4.60	+1.31	1.53	-1.99	3.68	+0.75	1.51	-1.39	38.95	-2.13
Grove City	1.99	-1.22	2.94	+0.71	4 72	+1.40	3.56	+0.15	4.21	+0.08	4.17	+0.10	5.21	+0.65	2.07	-1.40	3.99	+0.48	1.09	-2.08	2.52	-0.51	1.21	-1 89	37.68	-3.53
Irwin	2.07	-0.87	3.83	+1.48	4.09	+0.87	3.83	+0.70	4.69	+1.46	6.01	+1.62	4.48	+0.74	3.82	+0.04	3.09	+0.34	1.47	-1.40	2.64	+0.35	1.43	-1.46	41.45	+3.87
Johnstown	2.67	-1.65	2.69	-0.79	5.10	+0.60	2.93	-1.02	5.63	+1.54	3.24	-1.96	2.88	-1.41	2.60	-1.92	4.37	+1.13	1.05	-2.21	2.40	-0.48	1.72	-2.05	37.28	-10.22
Kregar	2.38	-1.13	3.18	+0.12	4.58	+0.33	3.10	-0.95	4.82	+0.89	4.90	+0.27	8.40	+3.17	3.11	-2.18	3.25	-0.21	2.14	-1.81	2.51	-0.47	2.12	-1.10	44.49	-3.27
Lake Lynn	2.18	......	3.24	......	3.02	......	3.90	......	4.26	......	6.22	......	3.11	......	1.51	......	3.21	......	1.16	......	2.87	......	1.56	......	36.24	......
Linesville	1.64	-1.60	4.28	+1.91	3.48	+0.34	3.84	+0.66	3.19	-0.84	3.85	-0.21	4.39	+0.58	2.77	-0.83	5.35	+1.47	1.85	-1.73	3.39	+0.52	1.94	-1.34	39.97	- 1.07
Lock No.2 (Neville)	2.06	-0.93	2.20	-0.25	3.69	+0.35	3 46	+0.39	5.56	+2.29	5.71	+1.13	0.97	-2.85	2.90	-0.24	3.51	+0.63	1.16	-1.52	2.74	+0.35	1.45	-1.35	35.41	-2.00
Lock No.4	2.36	-0.67	3.31	+0.82	3.54	+0.05	3.80	+0.49	4.53	+1.08	5.00	+1.07	1.85	-1.83	2.58	-1.06	3.64	+0.85	0.99	-1.92	2.65	+0.46	1.33	-1.56	35.58	-2 22
Lock No. 5	2.70	-0.93	2.98	+0.28	4.32	+0.58	4.30	+0.83	5.50	+1.62	6.70	+2.09	1.81	-2.31	2.79	-1.03	3.38	+0.32	1.53	-1.62	2.74	+0.07	1.71	-1.60	40.46	-1.70
Lycippus	3.29	-0.84	3.82	+0.69	4.99	+1.06	3.68	-0.14	4.86	+0.88	6.64	+1.76	4.58	-0.08	3.52	-0.90	3.46	+0.18	1.59	-1.81	3.51	+0.84	1.95	-1.60	45.89	+0.04
Marienville	*2.59	......	4.87	......	*3.94	......	3.74	......	2.24	......	5.21	......	5.12	......	1.32	......	5.73	......	1.58	......	2.66	......	1.88	......	40.88	......
McKeesport	1.68	......	2.16	......	2.52	......	3 24	......	3.75	......	4.48	......	4.09	......	4.05	......	3.41	......	1.03	......	2.84	......	1.07	......	34.32	......
Meadville	1.34	-2.00	3.67	+1.15	3.33	-0.05	3.19	-0.34	2.30	-1.81	4.50	+0.44	2.84	-1.13	4.30	+0.77	4.43	+0.73	1.62	-2.15	2.63	-0.91	1.27	-1.91	35.42	-7.21
Mercer	1.09	......	2.59	......	5.89	......	3.67	......	4.01	......	4.51	......	3.81	......	1.53	......	3.91	......	1.63	......	3.44	......	1.46	......	37.54	......
Midland	2.40	......	2.62	......	5.04	......	3.78	......	5.95	......	4.36	......	2.32	......	6.79	......	4.19	......	1.23	......	3.24	......	1.22	......	43.14	......
Mosgrove	2.46	-1.16	3.89	+1.65	4.11	+0.72	4.28	+1.22	3.82	-0.40	6.31	+2.17	4.29	+0.50	2.27	-2.11	4.06	+1.48	2.00	-1.52	2 53	+0.24	1.76	-1.24	41.78	+1.55
Mt. Lebanon	1.87	-1.04	2.50	+0.05	3.41	+0.11	4.55	+1.06	5.13	+1.31	5.18	+1.14	1.40	-1.98	2.36	-1.56	4.77	+1.53	1.26	-1.72	2.71	+0.07	1.28	-1.19	36.42	-2.22
Natrona	2.52	......	2.94	......	4.61	......	4.44	......	5.81	......	5.78	......	2.84	......	2.21	......	2.68	......	1.26	......	2.41	......	1.45	......	38.95	......
New Castle	1.98	-1.22	3.01	+0.82	5.25	+2.21	4.20	+0.78	4.86	+1.29	5.18	+0.89	4.93	+1.27	3.06	-0.42	4.05	+1.04	1.00	-1.80	3.27	+0.92	1.25	-1.45	42.04	+4.33
Newell	2.26	-0.71	3.13	+0.91	3.73	+0.62	2.89	+0.04	4.77	+1.66	5.09	+1.24	2.79	-0.71	2.53	-1.11	2.96	+0.28	1.20	-1.36	2.42	+0.25	1.33	-1.24	35.10	-0.13
Parkers Landing	2.12	-1.55	4.02	+1.21	5.74	+1.99	4.82	+1.24	4.95	+1.28	4.42	+0.30	3.00	-1.03	1.60	-2.33	3.72	+0.53	2.07	-0.90	2.88	-0.09	1.53	-1.96	40.87	-1.31
Pennline	1.92	-0.93	5.05	+2.99	3.63	+0.71	3.03	-0.18	2.82	-1.46	4.28	+0.18	3.29	-0.39	3.64	-0.47	7.21	+3.17	1.37	-2.27	2.94	+0.12	1.86	-0.89	41.04	+0.58
Pittsburgh	1.98	-1.07	2.82	+0.20	3.21	+0.18	3.27	+0.35	4.10	+0.89	3.99	+0.18	2.06	-1.99	2.86	-0.37	4.30	+1.72	1.10	-1.42	2.64	+0.35	0.89	-1.97	33.22	-2.95
Punxsutawney	2.49	-0.51	3.54	+1.22	4.07	+0.77	4.21	+0.91	4.14	+0.56	4.01	-0.41	4.25	+0.36	3.74	+0.25	2.25	-1.07	1.74	-1.31	2.99	+0.58	1.46	-1.50	38.89	-0.15
Ridgway	2.40	-0.75	3.91	+1.54	3.04	-1.21	4.19	+1.16	3.73	+0.17	5.03	+0.65	5.02	+1.27	1.81	-1.61	3.49	+0.50	2.11	-1.02	2.56	-0.14	1.71	-2 06	39.00	-0.50
Rochester	2.37	......	2.67	......	4.45	......	3.82	......	6.56	......	3.91	......	2.20	......	*2.60	......	3.56	......	1.20	......	2.93	......	1.27	......	37.54	......
Saltsburg	2.58	-0.94	3.44	+0.63	3.79	+0.60	3.84	+0.59	4.36	+1.02	4.40	-0.01	2.66	-1.37	6.56	+2.66	4.01	+0.50	1.18	-1.98	2.66	+0.31	1.44	-1.66	40.92	+0.35
Seward	......	......	......	......	......	......	......	......	......	......	......	......	2.67	......	3.52	......	4.41	......	1.38	......	2.88	......	1.68	......	......	......
Sharon	1.56	-1.16	2.08	+0.08	5.64	+2.88	3.50	+0.46	3.72	+0.53	3.72	+0.04	2.86	-1.11	2.00	-1.57	3.88	+1.18	1.36	-1.46	3.23	+1.00	1.34	-1.04	34.89	-0.17
Sharpsville	2.25	......	......	......	......	......	......	......	4.17	......	3.45	......	3.15	......	......	......	......	......	1.10	......	3.96	......	1.13	......	......	......
Smethport	2.13	-0.71	4.04	+1.85	2.34	-0.87	3.04	+0.21	2.43	-1.62	4.11	+0.45	3.78	-0.67	0.59	-2.87	4.19	+0.70	2.02	-0.86	1.94	-0.83	1.76	-0.73	32.37	-5.95
Somerset	2.31	-2.52	2.70	-1.20	4.14	-0.58	2.90	-1.89	4.41	+0.03	5.31	-0.33	4.35	-0.54	1.91	-3.00	2.94	-0.66	0.99	-2.22	2.44	-0.74	1.73	-2.35	36.13	-16.00
Springdale	2.59	-0.82	3.66	+1.04	4.18	+0.44	3.98	+0.68	4.79	+1.18	4.40	-0.12	2.47	-1.65	1.47	-2.54	2.31	-0.63	1.44	-1.52	2.51	-0.05	1.47	-1.67	35.30	-5.66
Springs	1.95	-2.19	3.55	+0.36	3.89	-0.42	2.32	-1.67	4.61	+0.66	3.90	-1.29	6.94	+2.22	1.20	-3.08	3.02	+0.11	1.11	-2.09	3.07	+0.25	2.65	-0.58	38.21	-7.72
Titusville	2.14	......	4.89	......	*3.82	......	3.71	......	1.88	......	4.02	......	5.62	......	3.40	......	4.67	......	1.32	......	3.34	......	1.58	......	40.39	......
Union City	1.62	......	5.06	......	*3.50	......	3.53	......	2.40	......	3.23	......	4.21	......	4.17	......	5.04	......	2.22	......	3.33	......	1.80	......	40.11	......
Uniontown	2.09	-1.61	3.46	+0.59	4.02	+0.03	3.43	-0.30	4.49	+0.86	5.80	+1.08	1.71	-2.61	1.53	-3.18	3.40	+0.10	1.53	-1.84	3.09	+0.16	1.45	-1.98	36.00	-8.70
Unity Reservoir	2.78	-1.18	3.63	+0.66	4.98	+1.44	4.37	+0.78	4.77	+1.19	6.44	+2.10	3.78	-0.51	2.25	-1.95	2.81	-0.11	1.65	-1.51	2.59	+0.05	1.44	-2.18	41.49	-1.22
Vandergrift	0.87	-2.36	1.94	-0.87	2.66	-0.86	1.43	-1.42	4.24	+0.98	5.31	+1.07	2.72	-1.65	2.66	-1.24	3.31	+0.19	1.81	-1.18	1.80	-0.74	1.06	-1.92	29.81	-10.00
Warren	2.43	-0.54	5.07	+2.73	3.30	-0.02	2.92	-0.70	3.66	-0.46	4.96	+0.49	4.04	-0.36	3.03	-0.72	5.28	+1.59	1.46	-2.06	3.19	-0.17	2.14	-0.94	41.38	-1.16
Waynesburg	2.55	......	4.18	......	4.48	......	2.76	......	4.88	......	5.07	......	1.29	......	1.47	......	2.23	......	0 88	......	2.61	......	1.57	......	33.97	......
Westford	1.49	-1.60	4.88	+2.75	3.44	+0.41	2.63	-0.24	4.01	+0.30	5.83	+1.76	4.34	+0.32	0.97	-2.53	6.35	+2.73	1.58	-2.15	4.10	+1.26	2.11	-0.67	41.73	+2.34
West Newton	1.83	-1.53	2.87	+0.09	3.86	+0.31	4.04	+0.82	3.93	+0.30	5.18	+1.07	3.58	-0.40	1.71	-2.21	3.91	+1.08	1.26	-1.68	2.89	+0.49	1.25	-1.93	36.31	-3.59
POTOMAC BASIN																										
Buffalo Mills	2.00	-0.60	1.23	-0.92	3.27	+0.17	1.66	-1.91	4.07	+0.95	2.45	-0.95	4.07	+0.66	1.78	-1.61	3.75	+0.61	1.09	-1.99	2.38	-0.11	1.70	-0.36	29.45	-6.06
Chambersburg	2.06	-1.08	0.91	-1.75	2.83	-0.44	1.28	-1.96	4.45	+1.06	1.76	-2.46	4.66	+0.66	3.09	-0.73	4.34	+1.37	2.03	-1.04	2.42	+0.17	3.18	+0.22	33.01	-5.98
Gettysburg	2.18	-1.15	1.51	-1.25	3.50	-0.02	1.92	-1.71	5.25	+1.56	2.57	-1.82	3.33	-1.03	3.72	-0.60	4.12	+0.53	1.64	-1.76	3.95	+1.55	3.44	+0.28	37.13	-5.42
Hyndman	1.53	-1.53	0.28	-2.30	2.83	-0.43	1.42	-2.00	3.31	+0.39	1.86	-2.42	4.18	+1.11	2.21	-1.36	2.35	-0.52	1.44	-1.34	2.40	+0.36	2.83	+0.16	26.64	-9.88
LAKE BASIN																										
Erie	1.46	-1.31	4.12	+1.54	2.96	+0.34	3.61	+0.88	3.10	-0.30	3.38	+0.04	2.21	-0.81	3.68	+0.41	7.42	+4.03	1.72	-1.97	3.89	+0.59	1.93	-0.90	39.48	+2.55
Raymond	1.00	......	3.22	......	3.34	......	1.68	......	3.03	......	6.39	......	2.79	......	*1.51	......	4.69	......	1.46	......	2.81	......	*1.84	......	33.76	......

* Monthly amount interpolated; annual amount partly interpolated.

[1] Airway Station.

[2] River Station.

Monthly and Annual Mean Temperatures for the Year 1938, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic Drainage.																										
Allentown	29.3	−0.5	32.8	+3.7	42.2	+3.8	52.2	+3.5	59.6	−0.7	68.9	−0.8	74.4	+0.5	76.2	+3.8	62.6	−2.5	55.6	+2.5	44.6	+2.0	33.4	+1.4	52.6	+1.4
Altoona	26.3	−1.5	33.0	+5.6	41.1	+3.6	49.3	+1.4	57.5	−1.3	64.8	−1.7	70.8	−0.2	72.8	+3.6	60.4	−2.8	54.0	+1.9	43.5	+2.9	29.2	−0.7	50.2	+0.9
Ardmore	31.0	−1.1	35.2	+3.1	43.6	+2.3	51.9	+1.5	58.4	−2.5	67.2	−3.0	72.4	−2.0	73.0	+0.8	61.3	−5.5	54.8	−0.3	44.4	0.0	33.8	−0.4	52.2	−0.6
Arendtsville	32.6	+2.0	.....	.....	42.6	+3.1	52.1	+2.7	60.2	+0.1	69.4	−1.1	75.4	+0.9	75.6	+3.2	63.4	−2.5	55.5	+1.3	44.4	+1.8	32.5	−0.5	.....	.....
Bedford	30.6	.....	36.7	.....	44.0	.....	51.5	.....	59.8	.....	67.0	.....	73.6	.....	73.2	.....	62.4	.....	53.4	.....	43.4	.....	32.1	.....	52.3	.....
Bethlehem	30.2	−0.6	34.6	+3.5	43.4	+2.8	54.4	+3.0	61.3	−1.1	70.4	−0.1	76.2	+1.1	77.7	+4.5	65.0	−1.9	58.5	+2.5	47.1	+2.6	35.2	+1.7	54.5	+1.5
Carlisle	31.4	+2.7	36.1	+6.0	44.4	+5.7	53.5	+1.5	61.9	+0.3	71.2	+0.1	76.3	+1.2	77.6	+4.7	65.2	−0.2	56.2	+3.2	43.9	+2.4	33.1	+1.4	54.2	+3.4
Center Hall	29.4	+2.8	34.4	+6.9	42.3	+5.7	51.2	+3.4	57.8	−0.6	66.6	+0.7	71.4	+0.4	71.2	+2.7	59.7	−2.5	53.8	+2.0	42.8	+2.3	31.0	+1.0	51.0	+2.1
Chambersburg	31.2	+1.3	36.8	+5.2	44.8	+5.0	53.4	+3.1	61.3	+0.1	70.4	+0.4	76.0	+1.2	76.7	+4.4	64.6	−1.7	56.2	+2.9	44.1	+1.8	33.7	+0.5	54.1	+2.0
Coatesville	30.2	−0.3	34.8	+4.4	41.6	+1.7	52.7	+2.2	59.6	−1.7	69.0	−1.2	75.6	+0.3	76.0	+3.3	63.4	−2.9	54.8	+0.7	44.1	+1.2	33.6	+0.8	52.9	+0.7
Colebrook	28.2	−0.2	32.0	+2.5	41.3	+2.2	50.7	+2.0	57.2	−2.0	66.0	−2.0	71.5	−0.8	72.5	+2.2	61.0	−3.1	52.6	+0.1	42.4	+0.8	32.3	+0.9	50.6	+0.2
Emporium	27.2	+0.9	32.3	+6.5	41.2	+5.8	48.8	+2.1	57.0	−0.8	64.9	−1.0	71.0	+0.2	72.2	+4.6	^{b}59.8	−1.7	^{b}52.7	+2.6	41.8	+2.4	30.6	+1.4	50.0	+2.0
Ephrata	31.8	+1.2	35.7	+5.6	44.4	+4.3	54.4	+4.1	62.2	+0.7	71.6	+2.2	77.6	+2.8	78.2	+5.9	65.6	−0.6	56.4	+1.7	45.8	+2.5	34.6	+2.0	54.9	+2.7
Freeland	23.3	−1.0	26.8	+2.1	36.8	+3.8	46.6	+2.2	53.8	−2.7	64.9	0.0	70.2	+1.2	71.8	+5.1	58.5	−1.5	53.6	+6.0	41.2	+3.9	28.4	+1.1	48.0	+1.7
George School	32.4	+0.7	36.1	+4.9	43.5	+2.8	53.6	+3.3	61.2	+0.2	69.7	+0.4	75.6	+1.4	75.9	+3.9	64.4	−1.9	57.3	+2.0	46.4	+2.6	35.5	+2.1	54.3	+1.9
Gettysburg	32.6	+2.5	37.4	+6.1	46.0	+5.7	54.8	+4.0	62.5	+0.9	71.8	+1.6	76.2	+1.7	76.8	+4.6	65.6	−0.3	57.1	+3.8	46.0	+3.6	34.4	+1.8	55.1	+3.0
Gordon	27.5	+0.3	32.2	+5.1	41.0	+4.1	50.2	+2.6	57.6	−0.4	65.2	−0.8	71.6	+1.2	72.0	+3.7	59.9	−2.5	52.0	+1.2	42.0	+2.1	31.0	+1.6	50.2	+1.5
Gouldsboro	21.8	−1.7	25.3	+2.8	33.6	+3.3	43.5	+2.5	50.7	−1.8	58.9	−2.2	64.0	−1.0	63.8	+0.8	51.5	−5.1	.....	.....	34.6	−1.2	22.4	−2.7	.....	.....
Hanover	33.4	+0.3	38.0	+5.0	46.2	+3.7	55.4	+2.9	62.4	−0.7	71.4	0.0	76.6	+0.8	77.2	+3.6	65.8	−2.0	57.1	+0.8	47.6	+2.6	35.7	+1.1	55.6	+1.5
Harrisburg	31.0	+2.0	35.0	+4.8	44.6	+5.7	53.4	+2.5	61.0	−0.8	70.2	−0.1	75.7	+0.9	77.2	+4.6	64.1	−1.7	56.8	+2.0	44.8	+2.0	34.1	+1.4	54.0	+1.9
Hawley	24.0	−1.7	29.6	+3.9	38.3	+3.3	47.5	+2.1	54.8	−2.2	64.2	−1.9	70.4	0.0	70.6	+2.6	57.2	−4.0	51.2	+1.8	40.8	+1.5	28.0	−0.5	48.0	+0.6
Holtwood	32.6	−0.5	36.0	+3.6	44.6	+3.1	53.4	+1.9	62.2	−0.6	71.8	−0.8	77.5	+0.4	78.4	+3.5	66.2	−3.1	57.4	+0.8	46.9	+1.6	35.4	+0.9	55.2	+1.0
Huntingdon	29.0	−0.1	35.0	+5.6	^{a}42.6	+3.8	51.0	+1.5	59.4	−0.9	67.6	−0.9	73.4	+1.0	74.0	+3.3	^{a}62.0	−2.7	54.0	+1.3	42.8	+1.0	31.6	0.0	51.9	+1.1
Kylertown	25.0	.....	29.9	.....	39.4	.....	46.6	.....	55.6	.....	63.8	.....	69.9	.....	71.1	.....	57.7	.....	51.8	.....	40.4	.....	28.2	.....	48.3	.....
Lancaster	32.0	+1.7	35.5	+4.7	43.5	+3.8	53.6	+4.3	60.8	−0.1	69.6	−0.4	75.2	+1.1	76.0	+3.7	65.2	−0.4	54.4	+0.9	43.5	+0.4	33.6	+0.5	53.6	+1.7
Lawrenceville	23.5	−2.0	30.6	+5.9	40.4	+5.6	48.9	+2.9	56.7	−0.6	65.3	−0.7	71.2	+0.7	71.9	+3.6	58.8	−2.9	51.0	+0.4	37.0	−2.2	27.0	−1.7	48.5	+0.7
Lebanon	29.6	+0.2	33.1	+3.6	42.4	+3.1	52.3	+2.0	59.8	−1.2	69.6	−0.2	75.7	+1.6	76.8	+4.6	63.5	−4.2	55.4	+1.7	44.4	+1.8	32.8	+0.7	53.0	+1.4
Lock Haven	29.6	+1.3	33.3	+5.0	43.2	+4.6	52.7	+2.3	60.6	−1.2	68.4	−1.4	73.8	+0.1	75.4	+3.9	62.2	−2.8	54.3	+0.7	43.0	+0.9	32.9	+1.7	52.4	+1.2
Marcus Hook	36.0	−0.1	40.0	+5.6	48.0	+3.5	57.5	+2.8	64.2	−1.2	74.5	−0.6	80.2	+1.2	80.2	+3.9	^{a}68.4	−2.3	60.5	+1.0	50.6	+2.8	39.6	+0.8	58.3	+1.4
Mauch Chunk	27.2	+5.3	31.5	+3.7	40.2	+2.7	50.5	+2.0	57.0	−2.6	65.4	−2.6	.....	.....	.....	.....	.....	.....	^{f}56.4	+4.0	43.8	+2.6	32.6	+1.9	.....	.....
Mifflintown	30.2	+1.1	36.3	+6.6	43.2	+4.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montrose	23.4	−0.2	27.2	+4.4	37.7	+5.4	47.4	+3.4	54.4	−0.4	64.2	+0.7	69.8	+1.7	70.2	+3.5	57.0	−3.5	52.1	+2.9	39.4	+4.1	26.4	−0.1	47.4	+1.8
Mount Pocono	21.5	−2.2	25.2	+3.7	34.3	+2.2	46.5	+4.2	53.2	−0.6	62.2	−0.5	67.6	−0.2	68.5	+4.4	56.3	−2.1	51.8	+3.5	39.4	+3.2	26.6	+0.9	46.1	+1.6
Muncy Valley	26.0	+0.4	28.7	+2.9	36.4	+1.1	^{c}46.6	−0.3	55.4	−1.6	64.0	−1.3	70.2	+0.4	71.4	+3.4	57.5	−3.9	52.0	+0.9	40.3	+0.9	30.4	+2.3	48.2	+0.6
Neshaminy Falls	29.8	0.0	34.8	+5.2	43.0	+3.6	52.6	+3.2	.....	.....	.....	.....	75.2	+1.3	75.0	+3.2	63.2	−2.4	55.7	+1.7	43.1	+0.3	33.9	+1.8	.....	.....
New Bloomfield	28.6	.....	33.8	.....	42.0	.....	51.3	.....	59.4	.....	67.7	.....	73.6	.....	73.9	.....	61.0	.....	53.6	.....	41.8	.....	30.8	.....	51.5	.....
Palmerton	27.8	−2.1	31.6	+3.0	41.4	+3.8	51.0	+3.6	58.6	−0.8	67.8	0.0	74.4	+1.0	73.9	+3.2	61.2	−2.6	54.4	+2.4	42.5	+0.2	32.6	+1.1	51.4	+1.0
Philadelphia	33.6	+1.0	37.4	+3.5	45.8	+5.0	55.2	+3.1	61.5	−1.4	71.3	−0.1	77.2	+1.0	78.4	+3.6	66.3	−1.7	59.3	+1.5	48.6	+2.9	37.6	+1.3	56.0	+1.6
Phila-Navy Yard	33.2	−0.1	37.2	+3.8	45.6	+3.4	54.8	+3.3	61.6	−0.4	71.0	−1.0	77.6	+1.1	78.6	+3.8	66.4	−2.0	58.1	+0.8	47.7	+5.4	37.0	+1.4	55.7	+1.2
Phila-Point Breeze	34.6	−0.1	39.2	+4.6	47.0	+3.6	57.2	+5.3	64.2	+0.2	73.0	+0.7	78.6	+1.1	79.8	+3.3	68.7	−0.8	60.4	+2.3	51.8	+3.9	39.6	+3.1	57.8	+2.5
Phoenixville	32.1	+0.9	35.8	+3.7	44.4	+3.3	54.6	+2.8	61.1	−0.8	71.2	−0.4	76.6	+0.9	76.2	+2.4	65.0	−2.0	56.0	+0.9	45.7	+2.1	35.1	+1.5	54.5	+1.3
Port Clinton	29.9	+0.8	33.1	+3.8	43.8	+5.3	53.8	+4.2	61.0	−0.1	69.5	−0.3	76.9	+3.4	.....	.....	63.2	−2.2	54.4	+0.9	43.4	+1.6	33.1	+1.2	.....	.....
Quakertown	28.8	+1.9	33.3	+4.6	41.8	+4.4	51.6	+3.1	58.0	−1.5	67.0	−1.4	73.0	+0.4	73.2	+2.8	61.4	−2.6	52.6	+0.3	43.1	+1.7	32.7	+1.4	51.4	+1.3
Reading	32.2	+2.8	35.8	+7.0	45.6	+5.6	54.4	+4.1	61.4	−1.1	69.9	+0.1	75.4	−0.1	77.1	+4.7	64.1	−2.2	57.8	+3.1	46.6	+4.1	35.4	+3.2	54.6	+2.6
Retreat	25.8	.....	30.0	.....	39.2	.....	49.8	.....	.....	.....	64.4	.....	71.0	.....	70.0	.....	57.6	.....	53.6	.....	42.2	.....	31.4	.....	.....	.....
Scranton	27.9	+1.3	31.1	+3.8	41.8	+6.1	50.5	+2.4	58.1	−1.3	67.4	−0.4	73.3	+1.4	73.6	+3.8	60.6	−2.3	54.3	+2.5	42.8	+2.3	32.0	+1.3	51.1	+1.7
Selinsgrove	28.6	−0.4	33.6	+5.2	41.8	+3.2	50.8	+1.3	58.4	−2.2	68.1	−0.9	73.9	+0.5	74.3	+2.9	62.2	−2.7	53.7	+0.8	42.1	+0.3	32.0	+0.3	51.6	+0.7
Shawmont	32.5	+0.2	37.5	+4.3	44.8	+2.1	55.0	+2.9	61.6	−1.4	71.2	−1.1	75.8	−0.7	76.9	+2.7	65.2	−3.0	55.7	−0.4	46.8	+1.6	35.4	+0.2	54.9	+0.7
Shippensburg	30.2	.....	35.6	.....	43.8	.....	52.2	.....	61.1	.....	69.6	.....	75.4	.....	77.4	.....	64.0	.....	55.9	.....	43.0	.....	32.4	.....	53.4	.....
State College	28.0	+1.0	32.6	+5.8	40.9	+4.7	49.9	+2.4	58.0	−0.7	66.4	−0.3	71.6	+2.2	73.4	+4.6	60.0	−2.8	53.4	+2.2	42.8	+2.8	30.8	+0.9	50.6	+1.8
Stroudsburg	27.8	+0.5	31.2	+4.2	39.8	+3.4	52.6	+4.5	58.0	−0.6	66.9	+0.1	72.5	+0.7	75.2	+5.5	61.8	−0.9	55.8	+3.8	45.0	+4.1	33.4	+3.0	51.7	+2.4
Towanda	26.2	+0.3	31.4	+6.4	41.6	+6.4	49.2	+2.8	56.2	−1.2	65.9	+0.2	71.6	+1.1	72.4	+4.0	59.2	−3.1	52.7	+1.8	41.3	+1.5	30.9	+1.9	49.9	+1.9
Wellsboro	25.6	+1.3	29.6	+4.7	39.7	+6.7	48.0	+3.4	55.1	−1.3	63.8	−0.7	70.0	+1.2	70.8	+4.4	57.8	−2.1	50.6	+1.7	39.4	+1.8	28.6	+0.7	48.2	+1.8
West Chester	32.2	+1.5	36.1	+5.0	44.4	+5.3	53.7	+3.8	60.0	−0.8	70.2	+0.6	76.0	+1.6	76.1	+4.0	64.5	−1.1	56.4	+1.8	^{a}45.8	+2.7	34.6	+1.3	54.2	+2.2
Wilkes-Barre(Airport)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	73.3	.....	73.8	.....	61.2	.....	53.8	.....	42.5	.....	32.3	.....	.....	.....
Williamsport	28.7	+0.8	31.9	+4.1	42.6	+5.0	51.6	+2.6	59.4	−1.1	67.7	−1.3	73.6	+0.2	74.8	+3.8	61.4	−3.1	54.2	+1.5	42.0	+0.8	32.0	+1.3	51.7	+1.3
Williamstown	28.8	−0.3	32.2	+2.0	41.6	+2.5	52.0	+2.4	60.0	−0.1	68.1	−0.1	74.1	+1.5	75.6	+4.8	62.5	−2.3	56.2	+2.8	44.8	+2.6	31.7	+0.4	52.3	+1.3
York	32.3	+1.8	36.8	+5.7	44.7	+4.0	54.1	+3.1	61.2	−0.2	70.0	−0.2	75.5	+0.9	75.6	+3.0	64.8	−1.5	54.4	+0.3	44.1	+0.9	34.0	+0.8	54.0	+1.6
Ohio Drainage.																										
Brookville	24.8	−0.3	31.5	+6.5	37.4	+3.8	46.0	+1.1	54.9	−0.6	62.5	−1.1	68.2	0.0	70.6	+4.3	61.1	+0.6	58.8	+9.5	.....	.....	31.6	+3.6	.....	.....
Butler	^{a}28.3	−1.7	35.5	+7.6	^{a}43.8	+5.7	51.3	+3.4	59.8	+0.5	66.2	−1.6	73.8	+1.4	72.6	+2.6	62.0	−2.3	54.2	+1.2	42.3	+4.1	32.2	+1.1	51.8	+1.8
Chambersville	28.0	−1.5	35.4	+5.8	43.4	+4.6	50.8	+1.5	57.8	−1.8	65.2	−2.5	71.5	−0.1	71.8	+1.8	60.4	−4.2	51.2	−1.2	43.0	+1.8	31.6	+0.6	50.8	+0.4
Clairton	29.4	.....	36.3	.....	45.3	.....	51.2	.....	58.0	.....	65.4	.....	73.0	.....	73.4	.....	62.7	.....	53.2	.....	42.8	.....	32.2	.....	51.9	.....
Claysville	31.4	0.0	38.7	+7.1	47.0	+5.8	53.6	+2.9	60.3	−0.6	66.2	−3.1	73.0	−0.3	72.6	+0.9	64.2	−3.8	54.4	+0.3	43.8	+1.4	32.8	+0.1	53.2	+0.9
Corry	24.8	−1.0	30.6	+4.8	40.5	+7.5	48.0	+3.3	56.4	+1.4	64.0	−1.2	69.6	+0.7	70.4	+3.4	58.4	−2.6	51.6	+2.3	40.0	+1.3	28.6	+0.1	48.6	+1.7
Coudersport	23.6	.....	28.7	.....	38.8	.....	46.2	.....	54.5	.....	64.4	.....	70.0	.....	69.5	.....	56.6	.....	50.6	.....	38.2	.....	26.0	.....	47.3	.....
Dahoga	24.0	.....	29.7	.....	39.4	.....	46.5	.....	55.2	.....	62.7	.....	67.6	.....	67.8	.....	56.8	.....	52.1	.....	39.4	.....	27.4	.....	47.4	.....
Derry	32.4	+1.6	39.2	+9.3	46.8	+6.9	53.4	+4.0	60.2	−0.4	67.6	−1.1	74.0	+1.3	74.5	+3.8	63.8	−1.7	55.4	+1.3	45.1	+2.9	34.1	+2.0	53.9	+2.5
Donora	33.6	−1.5	39.8	+5.3	48.0	+5.7	54.4	+2.7	62.0	−0.6	69.0	−2.2	77.0	+0.8	77.0	+2.9	66.6	−1.9	57.2	+1.4	46.5	+1.3	35.6	−0.5	55.6	+1.2
Ebensburg	^{b}27.6	+1.1	33.3	+5.5	40.6	+4.5	47.4	+2.2	55.4	−1.0	63.4	−1.5	69.0	+0.5	69.5	+2.7	59.2	−2.2	52.2	+2.2	39.9	+1.1	28.6	−0.3	48.8	+1.2
Franklin	26.0	−0.7	31.3	+5.6	38.8	+3.2	47.2	+1.1	55.8	−1.8	64.0	−2.2	69.9	−0.7	70.4	+1.9	60.2	−2.6	52.2	+1.0	40.4	+0.8	30.2	+0.8	48.9	+0.5
Greensburg	31.0	−0.5	38.2	+6.6	46.2	+6.1	52.8	+2.5	59.8	−0.5	67.0	−1.5	73.8	+1.2	74.0	+3.0	63.8	−1.7	55.2	+1.1	44.6	+1.6	33.2	+0.3	53.3	+1.5
Greenville	27.8	+0.1	34.8	+7.8	44.4	+7.8	51.4	+4.7	60.1	+2.3	67.4	+0.5	72.9	+1.5	74.2	+5.1	62.2	−1.1	54.4	+3.1	42.0	+2.1	31.6	+1.3	51.9	+2.9
Grove City	27.8	+0.1	34.6	+6.8	43.4	+6.0	50.6	+3.0	59.0	+0.9	66.6	+0.4	72.0	+1.5	72.8	+4.1	61.0	−2.3	55.0	+2.9	42.6	+2.1	31.0	+1.0	51.4	+2.2
Irwin	30.3	−0.2	38.2	+8.0	45.6	+5.7	52.6	+3.2	60.0	−0.1	66.9	−1.7	73.8	+1.5	74.2	+3.5	64.0	−0.7	54.6	+0.7	43.7	+1.5	33.2	+0.8	53.1	+1.9
Johnstown	31.2	+0.8	37.6	+7.2	45.6	+6.3	52.4	+2.5	60.6	−0.5	67.2	−2.2	74.2	+0.9	74.6	+3.2	63.6	−2.1	56.2	+2.4	45.2	+3.1	33.2	+0.7	53.5	+1.9
Lycippus	30.5	−0.1	37.6	+7.9	45.6	+5.9	53.2	+3.6	^{b}60.2	−0.4	66.2	−2.1	72.3	−0.3	71.8	+0.9	62.6	−3.4	54.3	0.0	43.0	+0.5	32.5	0.0	52.5	+1.1
Meadville	24.0	−1.6	30.2	+5.9	40.0	+5.0	47.4	+1.8	55.9	−0.9	64.3	−1.3	69.8	+0.1	70.2	+2.6	58.6	−3.6	51.4	+0.5	40.2	+1.1	29.3	+0.2	48.4	+0.8
Midland	31.0	.....	38.2	.....	45.7	.....	52.6	.....	60.4	.....	67.4	.....	73.9	.....	73.8	.....	63.4	.....	53.8	.....	43.6	.....	33.6	.....	53.1	.....
Mt. Lebanon	29.7	−1.5	36.7	+5.6	45.2	+6.3	51.9	+3.2	59.3	−1.0	66.6	−1.5	73.8	+0.6	73.9	+2.8	63.7	−1.9	54.4	+0.8	44.4	+1.9	32.8	+0.4	52.7	+1.3
New Castle	28.0	−0.1	33.9	+5.3	42.6	+5.7	50.6	+2.2	59.8	+0.3	66.8	−2.0	73.7	+1.2	73.4	+3.0	63.0	−1.3	54.8	+2.4	44.2	+3.9	32.7	+1.9	52.0	+0.9
Newell	32.2	−1.0	38.6	+4.8	47.2	+5.4	53.6	+2.6	58.8	−2.2	66.2	−3.5	74.0	+0.2	73.6	+1.6	64.2	−3.0	54.7	−0.4	43.6	−0.6	33.1	−2.0	53.3	+0.1
Pittsburgh**	29.6	−1.1	36.2	+3.9	45.4	+5.8	52.2	+1.0	60.4	−2.0	67.6	−3.1	74.5	−0.1	74.7	+1.8	63.6	−2.8	55.1	−0.6	44.0	+0.8	32.8	−1.4	53.0	+0.2
Ridgway	24.8	−0.8	29.6	+4.3	36.1	+2.2	46.2	+0.6	55.3	−0.3	62.6	−1.5	67.2	−0.6	68.9	+1.7	57.5	−2.6	49.6	+0.8	38.6	+0.3	28.8	+0.9	47.1	+0.4
Sharon	28.8	+0.5	35.2	+6.7	47.8	+9.9	56.2	+7.7	61.0	+1.8	67.1	−1.7	74.9	+1.8	74.1	+3.1	62.4	−2.4	53.6	+0.6	40.2	−1.2	31.0	+0.1	52.7	+2.3
Somerset	26.7	−0.1	34.6	+7.6	41.1	+5.2	48.0	+1.8	54.0	−2.7	60.2	−5.0	67.0	−1.6	66.1	−1.0	56.4	−4.4	46.9	−2.4	37.4	−1.3	27.8	−1.1	47.2	−0.4
Springs	27.6	+0.3	33.8	+6.3	41.6	+5.2	47.9	+2.1	55.0	−0.3	62.6	−1.3	69.1	+1.3	69.5	+3.3	59.2	−1.0	52.2	+2.6	41.2	+2.4	28.3	−1.3	49.0	+1.6
Uniontown	33.4	+0.5	40.6	+8.0	48.8	+7.3	54.8	+3.6	61.8	−0.1	68.4	−1.7	75.0	+1.6	75.2	+3.3	66.0	+0.6	55.6	+0.8	46.0	+2.2	35.3	+0.4	55.1	+2.3
Unity Reservoir	29.3	.....	37.4	.....	44.9	.....	51.5	.....	58.6	.....	66.1	.....	72.5	.....	72.4	.....	62.6	.....	53.1	.....	42.2	.....	31.9	.....	51.9	.....
Vandergrift	31.4	+0.1	38.4	+6.7	46.6	+6.5	53.0	+2.6	61.0	+0.1	67.9	−1.5	74.8	+1.2	75.4	+4.0	64.1	−1.4	54.8	+0.8	44.0	+1.2	33.4	+0.1	53.7	+1.7
Warren	25.0	−1.0	30.9	+6.0	38.4	+3.9	46.3	+1.5	55.6	−0.7	65.2	0.0	70.6	+0.8	70.9	+3.2	59.0	−3.1	52.2	+1.3	41.2	+1.9	30.1	+1.6	48.8	+1.3
Waynesburg	32.6	.....	40.2	.....	48.2	.....	54.0	.....	60.6	.....	67.6	.....	73.8	.....	74.2	.....	65.5	.....	55.4	.....	44.8	.....	34.0	.....	54.2	.....
Lake Drainage.																										
Erie	26.8	0.0	31.5	+4.6	40.8	+7.3	49.0	+3.9	57.2	+0.4	66.8	+0.6	73.6	+2.6	75.0	+5.4	61.8	−1.8	56.0	+2.6	45.2	+3.8	32.6	+0.7	51.4	+2.6

Letters of alphabet denote number of days missing.

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown	Apr. 11	Oct. 8	Lawrenceville	May 25	Sept. 6
Altoona	May. 25	do. 7	Lebanon	Apr. 11	Oct. 8
Bedford	do. 12	do. 3	Meadville	May 24	do. 1
Brookville	do. 25	Sept. 26	Midland	do. 12	do. 7
Carlisle	do. 13	Oct. 4	Muncy Valley	do. 14	Sept. 26
Center Hall	do. 13	do. 7	New Castle	do. 13	Oct. 2
Chambersburg	do. 25	do. 8	Newell	do. 13	do. 7
Chambersville	do. 25	do. 2	Philadelphia	Apr. 6	Nov. 16
Claysville	do. 13	do. 7	Pittsburgh	do. 10	Oct. 7
Clearfield	do. 25	do. 3	Port Clinton	do. 11	do. 2
Coatesville	Apr. 11	Nov. 1	Quakertown	May 14	do. 2
Corry	May 25	Sept. 28	Reading	Apr. 11	Nov. 10
Coudersport	do. 25	do. 26	Retreat		Oct. 4
Dahoga	do. 25	do. 28	Ridgway	May 25	Sept. 26
Emporium	do. 25	Oct. 2	Scranton	Apr. 11	Oct. 8
Ephrata	Apr. 11	do. 8	Selinsgrove	May 13	do. 2
Erie	do. 10	do. 7	Sharon	do. 13	do. 7
Franklin	May 25	do. 7	Somerset	do. 25	Sept. 21
George School	Apr. 11	Nov. 1	State College	do. 25	Oct. 2
Gettysburg	do. 11	Oct. 7	Stroudsburg	do. 14	do. 4
Gordon	May 14	Sept. 26	Towanda	do. 14	do. 5
Gouldsboro	do. 31	do. 26	Uniontown	do. 13	do. 7
Greensburg	do. 12	Oct. 7	Vandergrift	do. 13	do. 7
Greenville	do. 25	do. 7	Warren	do. 14	do. 2
Grove City	do. 12	do. 7	Waynesburg	do. 13	do. 7
Harrishurg	Apr. 11	Nov. 10	Wellsboro	do. 31	Sept. 26
Hawley	June 1	Sept. 26	West Chester	Apr. 11	Nov. 10
Huntingdon	May 14	Oct. 7	Williamsport	May 13	Oct. 2
Johnstown	do. 12	do. 7	Williamstown	do. 12	do. 7
Lancaster	do. 13	do. 4	York	Apr. 25	do. 4

MONTHLY STATE DATA FOR 1938

Month	Temperature						Precipitation					
	Mean	Dep. from normal	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Dep. from normal	Greatest	Least	Greatest in 24 hrs.	Average snow
January	28.9	+0.4	36.0	21.5	66	−20	2.51	−0.75	5.95	0.87	3.20	5.1
February	34.1	+5.8	40.6	25.2	74	−4	2.85	0.00	5.33	0.28	1.81	3.9
March	42.7	+5.0	48.8	33.6	87	−5	3.19	−0.31	5.89	1.36	1.80	2.0
April	51.3	+2.7	57.5	43.5	92	11	2.85	−0.57	5.22	1.08	1.92	3.5
May	58.8	−0.7	64.2	50.7	93	20	3.85	−0.02	6.56	1.53	3.95	0.0
June	67.1	−1.0	74.5	58.9	99	32	5.14	+1.02	12.18	1.44	4.94	0.0
July	73.2	+1.0	80.2	64.0	100	40	4.81	+0.52	11.26	0.97	4.64	0.0
August	73.8	+3.5	80.2	63.8	100	36	2.90	−1.33	8.53	0.59	4.44	0.0
September	62.0	−2.2	68.7	51.5	95	26	4.74	+1.34	10.46	1.39	4.40	0.0
October	54.5	+2.0	60.5	46.9	91	16	1.81	−1.42	3.67	0.60	1.70	T.
November	42.7	+1.4	51.8	34.6	87	−13	3.10	+0.23	5.62	1.35	2.12	10.9
December	32.2	+0.9	39.6	22.4	64	−5	2.56	−0.54	5.49	0.82	2.50	4.7
Year	51.8	+1.6	80.2	21.5	100	−20	40.31	−1.83	12.18	0.28	4.94	30.1

COOPERATIVE AND RAINFALL OBSERVERS

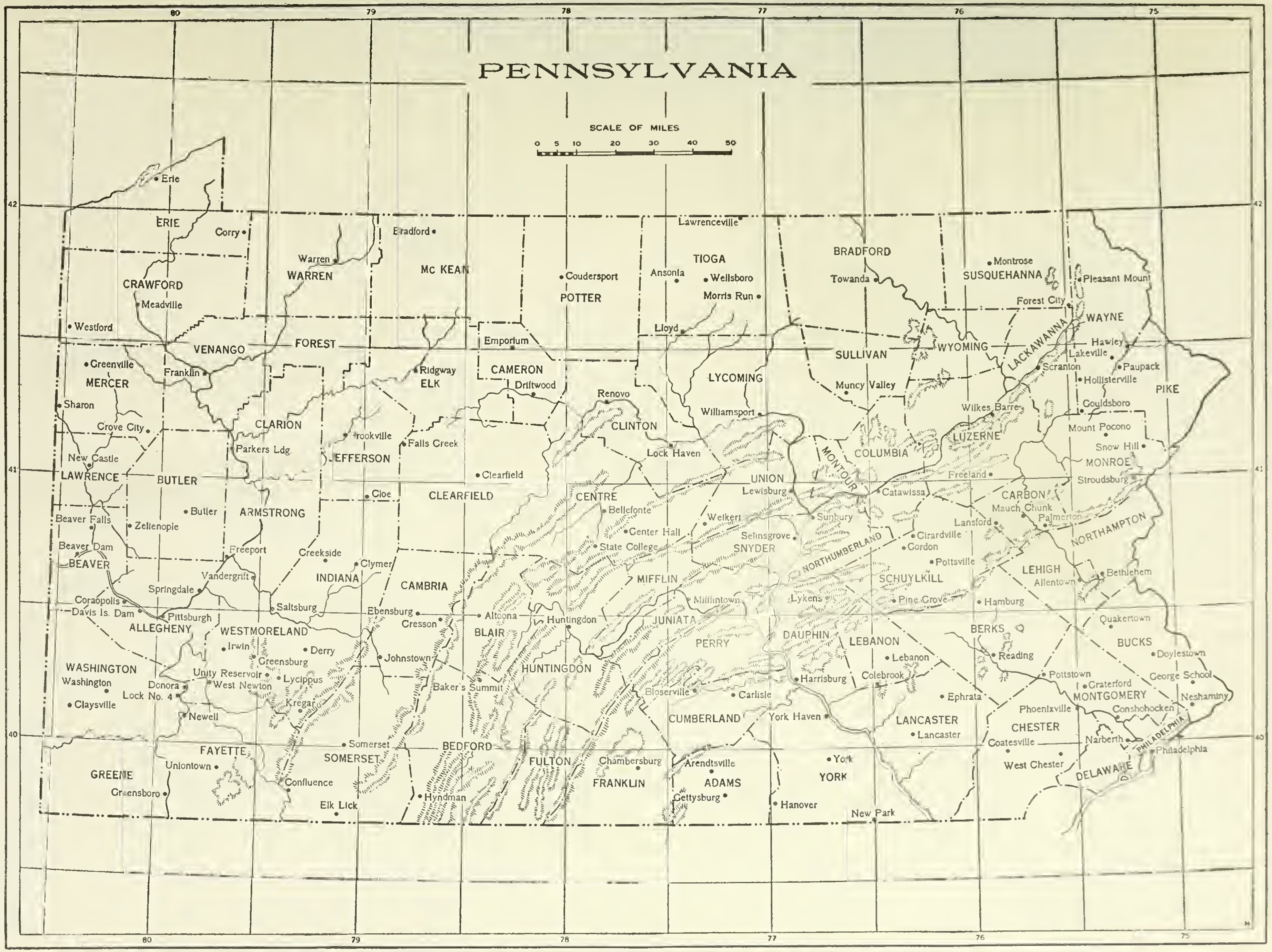
Stations	Observers
Allentown	John A. Frick.
Altoona	John J. Martin.
Ansonia	E. N. Jenckes.
Ardmore	H. L. Balderston.
Arendtsville	Agricultural Expt. Sta.
Bakers Summit	M. Snyder.
Beaver Falls	W. Edward Eakin.
Bedford	Charles C. Lee.
Bellefonte	U. S. Airways Radio Sta.
Bethlehem	Lehigh University.
Big Knob	John L. Besston.
Blairsville	U. S. Airway Station.
Bloomsburg	Bloomsburg Water Co,
Bloserville	A. G. Mountz.
Bradford	City Water Dept.
Brookville	Frank S. Fawcett.
Buffalo Mills	Nelle R. Brown.
Butler	The Butler Eagle.
Carlisle	Clarence E. Miller.
Center Hall	Edward E. Bailey.
Chambersburg	Wm. B. Spear.
Chambersville	John E. Lewis.
Clairton	Carnegie-Ill. Steel Corp.
Clarion	Clarion River Power Co.
Claysville	J. L. Melvin.
Clearfield	John Hess,
Coatesville	Howard L. Pyle.
Colebrook	William A. Rorer.
Confluence	Grant Pyle.
Connellsville	H. F. Atklns.
Conshohocken	Russell C. Erb.
Corry	Penna. Electric Co.
Coudersport	Philip R. Shaw.
Dahoga	U. S. Forest Service.
Derry	Ted R. Wineman.
Donora	Am. Steel & Wire Co.
Doylestown	Geo. Hart.
Du Bois	City Engineer.
Ebensburg	D. H. Jones.
Emporium	E. M. Poorman.
Ephrata	Ira J. Keath.
Erie	U. S. Weather Bureau.
Forest City	Frank Kelleher.
Franklin	Arthur M. Fuller.
Fredericksville(near)	Henry H. Rohrbach.
Freeland	Andrew B. Evansha.
Galeton	W. Gale Lush.
George School	N. W. Swayne.
Gettysburg	Dr. Henry Stewart.
Girardville	Girard Water Co.
Gordon	Sallie M. Johnson.
Gouldsboro	Ronald H. Marshall.
Graterford	C. K. Kulp.
Greensburg	Westmoreland Water Co.
Greensboro	John D. Sedgwick.
Greenville	C. P. Clarke.
Grove City	Prof. H. W. Harmon.
Hauover	Thomas Y. Cooper.
Harrisburg	U. S. Weather Bureau.
Hawley	Mrs. Della M. Pennell.
Hollisterville	Penn. P. & L. Co.
Holtwood	H. W. Lowy, C. E.
Huntingdon	Prof. Paul R. Yoder.
Hyndman	John D. Margraff.
Irwin	Westmoreland Water Co.
Johnstown	Robert Tross.
Kregar	I. A. Knupp.
Kylertown	U. S. Weather Bureau.
Lake Lynn	R. McGeachie.
Lakeville	Penn. P. & L. Co.
Lancaster	Supt. Water Works.
Lansford	Lehigh Nav. Coal Co.
Lawrenceville	C. P. Darling.
Lebanon	Lebanon Valley Gas Co.
Lehighton	Paul Artz.
Lewistown	Penna.-Edison Co.
Linesville	Cecil Craig.
Lock Haven	Joseph A. Beaver.
Lock No. 2	R. C. McCullough.
Lock No. 4	U. S. Engineer.
Lock No. 5	U. S. Engineer.
Lycippus	Westmoreland Water Co.
Marcus Hook	Sun Oil Co.
Matamoras	John Bisland.
Mauch Chunk	Daniel McElwalne.
McKeesport	F. W. Shultz.
Meadville,	Paul F. Coy.
Midland	Perry P. Campbell.
Montrose	Paul F. Chamberlain.
Morris Run	Morris Run Mining Co.
Mosgrove	J. G. Zern.
Mt. Lebanon	Roger H. Howell.
Mount Pocono	Paul C. Hoskinson.
Mount Union	Harry F. Yoder.
Muncy Valley	H. O. Hacker.
Natrona	Bert B. Hildebrand.
Neshaminy Falls	Phila. Sub-Water Co.
New Bloomfield	J. Earl Sheaffer.
New Castle	New Castle Water Co.
Newell.	General Chemical Co.
New Park	C. J. Allen.
Newport	R. W. Wright.
New Tripoli	F. Oswald.
Orwigsburg	H. F. Snyder.
Palmerton	New Jersey Zinc Co.
Parkers Landing	Henry Turk.
Paupack	Penn. Power & Light Co.
Penn Line	Retta Crumh.
Philadelphia	U. S. Weather Bureau.
Philadelphia Navy Yard	Commandant, Navy Yard.
Phila- Point Breeze	Atlantic Refining Co.
Phoenixville.	Phila. Suh- Water Co.
Pine Grove	East Penn Electric Co.
Pittsburgh	U. S. Weather Bureau.
Pleasant Mount	F. K. Riedel.
Port Clinton	E. E Rarick.
Pottstown	Daily Mercury.
Pottsville	Pottsville Water Co.
Punxsutawney	J. E. Thomas.
Quakertown	John E. Benner.
Reading	U. S. Weather Bureau.
Renovo	C. W. Baird.
Retreat	Theo. J. Sampson.
Ridgway	West Penn. Power Co.
Salisbury (near)	J. D. Beachy.
Saltsburg	Walter B. Sullivan.
Scranton	U. S. Weather Bureau.
Selinsgrove	Dr. George E. Fisher.
Sharon	H. H. Gerher.
Shawmont	Winfield S. Guiles.
Shippensburg	Keith B. Allen.
Smethport	A. Z Hileman.
Somerset	D. L. Grove.
Springdale	Max H. Carr.
Springs	Allen E. Yoder.
State College	C. A. Kern.
Stroudsburg	State Teachers College.
Sunbury	Chas. W. Baylor.
Susquehanna	Raymond J. Holleran.
Towanda	Mrs. M. Ordelia Parks.
Uniontown	Wm. W. Marsteller.
Unity Reservoir	Westmoreland Water Co.
Vandergrift	Carnegie-Ill. Steel Corp.
Warren	Harold L. Johnson.
Waynesburg	Thomas S. Knox.
Weikert	David Libby.
Wellshoro	George W. Hill.
Wernersville	Milton J. Sterner.
West Chester	Harlan Saylor.
Westford	Mrs Nellie C. Collins.
Westgrove	Conard-Pyle Co.
West Newton	A. B. Adams.
Wilkes-Barre	U. S. Airway Station
Wilkes-Barre†	J. B. Mirmak.
Williamsport	Mrs. Ralph F. Keller.
Williamstown	Susq. Collieries Co.
York	C. L. Bott.
York Haven	Metropolitan-Edison Co.
Zionsville	J. H. Weinherger.

Note: Stations appearing on the precipitation table and which are not here listed are automatic gage stations under the supervision of the U. S. Geological Survey.

Harrishurg, Pa.

† River Station.

WEATHER BUREAU AND COOPERATIVE STATIONS, 1938



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